

GENERAL INFORMATION:
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: King, Gordon E.
 APPLICANT: Algate, Paul A.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
 FILE REFERENCE: 210121.462C2
 CURRENT APPLICATION NUMBER: US/09/404,879A
 NUMBER OF SEQ ID NOS: 393
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 392
 LENGTH: 309
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-404-879A-392

Query Match 100.0%; Score 1431; DB 4; Length 309;
 Best Local Similarity 100.0%; Pred. No. 3.2e-138;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGEDGILSCTFP 60
 Db 28 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGEDGILSCTFP 87
 Qy 61 DIKLSDIVIOWKEGVLGVHEPKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120
 Db 88 DIKLSDIVIOWKEGVLGVHEPKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 147
 Qy 121 QLTDAGTYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 180
 Db 148 QLTDAGTYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 207
 Qy 181 WASOVDOGANFSEVNTSFLNSNTSKVSVLYNVTINNTYSCHIENDIAKATGDIKV 240
 Db 208 WASOVDOGANFSEVNTSFLNSNTSKVSVLYNVTINNTYSCHIENDIAKATGDIKV 267
 Qy 241 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 282
 Db 268 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 309

RESULT 3
 US-09-910-174B-24
 Sequence 24, Application US/09910174B
 Patent No. 6630575
 GENERAL INFORMATION:
 APPLICANT: Coyle, Anthony J.
 APPLICANT: Fraser, Christopher C.
 APPLICANT: Manning, Stephen
 TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
 TITLE OF INVENTION: Family and Uses Thereof
 FILE REFERENCE: 35800/236924
 CURRENT APPLICATION NUMBER: US/09/910,174B
 CURRENT FILING DATE: 2001-07-20
 PRIOR APPLICATION NUMBER: US 09/620,461
 PRIOR FILING DATE: 2000-07-20
 NUMBER OF SEQ ID NOS: 32
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 24
 LENGTH: 316
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-910-174B-24

Query Match 17.2%; Score 246.5; DB 4; Length 316;
 Best Local Similarity 30.2%; Pred. No. 7e-17;
 Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTFP--BPDIKLSDIVIOWKEGVLG 78
 Db 15 GAALCALWFCLTGALEVPEDPVVALVGTDTLCCSFSPGFSLAQLNLWLQTLDTKQ 74
 Qy 79 LVHEFKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNVLTAGTYKCIITTSK 138
 Db 75 LVHSAFEGQD----QGSAYANRTALFPDLIAQGNASLRLQVRVADGSETCF-VSIRDF 129
 Qy 139 GNANLEYKTGA-FSPMEPVNDYN-----ASSETLRCEAPRFPPTVVASQVDOGANFS 192
 Db 130 GSAAVSLQVAAPYKSPNTLEPNKDLRFGDTVTITCSSYRGYPAEAFVW--QDQGVPLT 187
 Qy 193 EVSNISFELNSNTSKVSVLYNVT-INNTYSCHIENDIAK--ATGDIKVT 241
 Db 188 GNVITS-QMANEQGLFDVHSLRVVLGANGTYSCLVRNPVLOQDAHGSVIT 238

RESULT 4
 US-09-620-461-24
 Sequence 24, Application US/09620461
 Patent No. 6635750
 GENERAL INFORMATION:
 APPLICANT: Coyle, Anthony J.
 APPLICANT: Fraser, Christopher C.
 APPLICANT: Manning, Stephen
 TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
 TITLE OF INVENTION: Family and Uses Thereof
 FILE REFERENCE: 5800-149
 CURRENT APPLICATION NUMBER: US/09/620,461
 CURRENT FILING DATE: 2000-07-20
 NUMBER OF SEQ ID NOS: 29
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 24
 LENGTH: 316
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-620-461-24

Query Match 17.2%; Score 246.5; DB 4; Length 316;
 Best Local Similarity 30.2%; Pred. No. 7e-17;
 Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTFP--BPDIKLSDIVIOWKEGVLG 78
 Db 15 GAALCALWFCLTGALEVPEDPVVALVGTDTLCCSFSPGFSLAQLNLWLQTLDTKQ 74
 Qy 79 LVHEFKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNVLTAGTYKCIITTSK 138
 Db 75 LVHSAFEGQD----QGSAYANRTALFPDLIAQGNASLRLQVRVADGSETCF-VSIRDF 129
 Qy 139 GNANLEYKTGA-FSPMEPVNDYN-----ASSETLRCEAPRFPPTVVASQVDOGANFS 192
 Db 130 GSAAVSLQVAAPYKSPNTLEPNKDLRFGDTVTITCSSYRGYPAEAFVW--QDQGVPLT 187
 Qy 193 EVSNISFELNSNTSKVSVLYNVT-INNTYSCHIENDIAK--ATGDIKVT 241
 Db 188 GNVITS-QMANEQGLFDVHSLRVVLGANGTYSCLVRNPVLOQDAHGSVIT 238

RESULT 5
 US-09-651-200-2
 Sequence 2, Application US/09651200
 Patent No. 6429303
 GENERAL INFORMATION:
 APPLICANT: Green et al
 TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
 TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
 TITLE OF INVENTION: Polypeptides Encoded Thereby
 FILE REFERENCE: 15966-542 (CURA-62)
 CURRENT APPLICATION NUMBER: US/09/651,200
 CURRENT FILING DATE: 2000-08-30
 PRIOR APPLICATION NUMBER: 60/152383
 PRIOR FILING DATE: 1999-09-03
 PRIOR APPLICATION NUMBER: 60/172909
 PRIOR FILING DATE: 1999-12-21
 PRIOR APPLICATION NUMBER: 60/183578
 PRIOR FILING DATE: 2000-02-18

GENERAL INFORMATION:
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: King, Gordon E.
 APPLICANT: Algate, Paul A.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
 FILE REFERENCE: 210121.462C2
 CURRENT APPLICATION NUMBER: US/09/404,879A
 NUMBER OF SEQ ID NOS: 393
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 392
 LENGTH: 309
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-404-879A-392

Query Match 100.0%; Score 1431; DB 4; Length 309;
 Best Local Similarity 100.0%; Pred. No. 3.2e-138;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGEDGILSCTFP 60
 Db 28 MASIGQLFWISIIIIILAGALIIIGFISGRHSITVTVASAGNIGEDGILSCTFP 87
 Qy 61 DIKLSDIVIOWKEGVLGVHEPKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 120
 Db 88 DIKLSDIVIOWKEGVLGVHEPKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNV 147
 Qy 121 QLTDAGTYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 180
 Db 148 QLTDAGTYKCIITTSKGNANLEYKTAGFSPMEPVNDYNASSETLRCEAPRFPPTVV 207
 Qy 181 WASOVDOGANFSEVNTSFLNSNTSKVSVLYNVTINNTYSCHIENDIAKATGDIKV 240
 Db 208 WASOVDOGANFSEVNTSFLNSNTSKVSVLYNVTINNTYSCHIENDIAKATGDIKV 267
 Qy 241 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 282
 Db 268 TESIKRSHQLLNKASLCVSSFFAISWALLPLSPYLMK 309

RESULT 3
 US-09-910-174B-24
 Sequence 24, Application US/09910174B
 Patent No. 6630575
 GENERAL INFORMATION:
 APPLICANT: Coyle, Anthony J.
 APPLICANT: Fraser, Christopher C.
 APPLICANT: Manning, Stephen
 TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
 TITLE OF INVENTION: Family and Uses Thereof
 FILE REFERENCE: 35800/236924
 CURRENT APPLICATION NUMBER: US/09/910,174B
 CURRENT FILING DATE: 2001-07-20
 PRIOR APPLICATION NUMBER: US 09/620,461
 PRIOR FILING DATE: 2000-07-20
 NUMBER OF SEQ ID NOS: 32
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 24
 LENGTH: 316
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-910-174B-24

Query Match 17.2%; Score 246.5; DB 4; Length 316;
 Best Local Similarity 30.2%; Pred. No. 7e-17;
 Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTFP--BPDIKLSDIVIOWKEGVLG 78
 Db 15 GAALCALWFCLTGALEVPEDPVVALVGTDTLCCSFSPGFSLAQLNLWLQTLDTKQ 74

OM protein - nucleic search, using frame_plus_p2n model

Run on: May 30, 2004, 02:13:55 ; Search time 420 Seconds
(without alignments)
3054.262 Million cell updates/sec

Title: US-10-063-567-60

Perfect score: 1431

Sequence: 1 MASLGQLFWSIIIIIIIA.....SSPFAISWALLPLSPYMLX 282

Scoring table:

BLOSUM62	Xgapop 10.0 , Xgapext 0.5
	Ygapop 10.0 , Ygapext 0.5
	Egapop 6.0 , Egapext 7.0
	Delop 6.0 , Delext 7.0

Searched: 2960401 seqs, 227450654 residues

Total number of hits satisfying chosen parameters: 5920802

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame_p2n.model -DEV=xlip
-Q=/cgn2_1/USPTO.spool_P/US10063567/runat_28052004.132954.2021/app_query.fasta_1.455
-DB=Published Applications NA -QMT=fastap -SUFFIX=trnb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCLIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFWT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=200000000 -USRE=US10063567 @CIGN 1 1 723 @runat_28052004.132954.2021
-NCPU=6 -ICPU=3 -NO MAP -LARGEXURY -NEG SCORES=0 -WAIT -DSPLOCK=100
-LONGLOG -DEV.TIMEOUT=120 -WARN.TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA:

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 2: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 3: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 4: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 5: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 6: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 7: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 8: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 9: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 10: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 11: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 12: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 13: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 14: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 15: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 16: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 17: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 18: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
- 19: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
------------	-------	-------------	-----------	----	-------------

1	1431	100.0	849	9	US-09-915-789A-6	Sequence 6, Appli
2	1431	100.0	1065	9	US-09-877-065-5	Sequence 5, Appli
3	1431	100.0	1658	9	US-09-989-722-290	Sequence 290, App
4	1431	100.0	1658	9	US-09-989-723-290	Sequence 290, App
5	1431	100.0	1658	9	US-09-989-727-290	Sequence 290, App
6	1431	100.0	1658	9	US-09-989-727-290	Sequence 290, App
7	1431	100.0	1658	9	US-09-989-731-290	Sequence 290, App
8	1431	100.0	1658	9	US-09-989-732-290	Sequence 290, App
9	1431	100.0	1658	9	US-09-991-073-290	Sequence 290, App
10	1431	100.0	1658	9	US-09-990-442-290	Sequence 290, App
11	1431	100.0	1658	9	US-09-991-163-290	Sequence 290, App
12	1431	100.0	1658	9	US-09-993-604-290	Sequence 290, App
13	1431	100.0	1658	9	US-09-990-456-290	Sequence 290, App
14	1431	100.0	1658	9	US-09-989-721-290	Sequence 290, App
15	1431	100.0	1658	9	US-09-992-598-290	Sequence 290, App
16	1431	100.0	1658	9	US-09-989-283A-290	Sequence 290, App
17	1431	100.0	1658	9	US-09-989-735-290	Sequence 290, App
18	1431	100.0	1658	9	US-09-990-444-290	Sequence 290, App
19	1431	100.0	1658	9	US-09-991-181-290	Sequence 290, App
20	1431	100.0	1658	9	US-09-989-730-290	Sequence 290, App
21	1431	100.0	1658	9	US-09-990-436-290	Sequence 290, App
22	1431	100.0	1658	9	US-09-993-687-290	Sequence 290, App
23	1431	100.0	1658	10	US-09-989-734-290	Sequence 290, App
24	1431	100.0	1658	10	US-09-997-653-290	Sequence 290, App
25	1431	100.0	1658	10	US-09-993-667-290	Sequence 290, App
26	1431	100.0	1658	10	US-09-997-428-290	Sequence 290, App
27	1431	100.0	1658	10	US-09-997-666-290	Sequence 290, App
28	1431	100.0	1658	10	US-09-990-438-290	Sequence 290, App
29	1431	100.0	1658	10	US-09-990-562-290	Sequence 290, App
30	1431	100.0	1658	10	US-09-990-711-290	Sequence 290, App
31	1431	100.0	1658	10	US-09-989-726-290	Sequence 290, App
32	1431	100.0	1658	10	US-09-988-156-290	Sequence 290, App
33	1431	100.0	1658	10	US-09-990-437-290	Sequence 290, App
34	1431	100.0	1658	10	US-09-991-157-290	Sequence 290, App
35	1431	100.0	1658	10	US-09-997-514-290	Sequence 290, App
36	1431	100.0	1658	10	US-09-997-573-290	Sequence 290, App
37	1431	100.0	1658	10	US-09-991-172-290	Sequence 290, App
38	1431	100.0	1658	10	US-09-990-726-290	Sequence 290, App
39	1431	100.0	1658	10	US-09-997-559-290	Sequence 290, App
40	1431	100.0	1658	10	US-09-997-601-290	Sequence 290, App
41	1431	100.0	1658	10	US-09-990-443-290	Sequence 290, App
42	1431	100.0	1658	10	US-09-929-769-4	Sequence 4, Appli
43	1431	100.0	1658	10	US-09-991-854-290	Sequence 290, App
44	1431	100.0	1658	10	US-09-997-628-290	Sequence 290, App
45	1431	100.0	1658	10	US-09-997-683-290	Sequence 290, App

ALIGNMENTS

RESULT 1
US-09-915-789A-6
; Sequence 6, Application US/09915789A
; Patent No. US20020168762A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Lieping
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
; TITLE OF INVENTION: MOLECULES
; FILE REFERENCE: 07039-219001
; CURRENT APPLICATION NUMBER: US/09/915,789A
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/220,991
; PRIOR FILING DATE: 2000-07-27
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 849
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-915-789A-6

Alignment Scores: 1.7e-172 Length: 849
Pred. No.: 849

Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-915-789A-6 (1-849)

Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
Db 1 ATGGCTTCCCTGGGGCAGATCTCTCTGGAGCATATAGCATCATCATATTCTGGCT 60
Qy 21 GlyAlaIleAlaLeuIleIleIleIleIleIleIleIleIleIleIleIleIleIle 40
Db 61 GGAGCAATTCACATCATCATCTGCTTTGGTATTTTCAGGAGACATCCATCATCATCT 120
Qy 41 ThrValAlaSerAlaGlyAsnIleGlyLeuAspGlyIleLeuSerCysThrPheGluPro 60
Db 121 ACTGTGCGCTCAGCTGGGAGCATTTGGGAGCATGGATCTCTGAGCTGCATTTTGAACCT 180
Qy 61 AspIleLysLeuSerAspIleValIleGlnTrpLeuLysGlyValLeuGlyLeuVal 80
Db 181 GACATCAAACTTCTGTATCTGTATCAATGGCTGGAAGAGGTGTTTAGGCTTGGTC 240
Qy 81 HisGluPheLysGlyGlyLeuAspGlyLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 241 CATGATTCAGAGGCAAGATGAGCTGTGGAGCAGAGTGAATGTTTCAGAGGCGG 300
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
Db 301 ACAGCAGTGTGTTGCTGATCACTGATGATGTCATGCTCTTTGGCTGAAAGACGTG 360
Qy 121 GlnLeuThrAspAlaGlyThrTrpLysCysTrpIleIleIleIleIleIleIleIleIle 140
Db 361 CAATCTCAGAGTGTGGACCTTCAATGTTATATCATCATCTTCAAGGCGAGGGGAT 420
Qy 141 AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn 160
Db 421 GCTAACCTTGATATAAACTGGAGCTTCAGCATGCCGGAAGTGAATGTGACTATAT 480
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
Db 481 GCAGCTCAGAGACCTTGGGGTGGAGGTCCCGATGTTTCCCGACCCACAGTGTGTC 540
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 541 TGCGCATCCCAAGTTCACAGGAGGCAACTTCTCGGAAGTCTCCCAATACCAAGCTT 600
Qy 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrAsnValThrIleAsn 220
Db 601 CTGAATCTGAGAAATGTACCATGAGGTGTGTCTGTCTCTACATGTTACAGATCAAC 660
Qy 221 AsnThrTyrSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
Db 661 AACACATATCTCTGTATGATTGAATGACATTTGCCAAGCAACAGGCGATATCAAGTG 720
Qy 241 ThrGluSerGluIleLysArgArgSerHisLeuGlnIleuAsnSerLysAlaSerLeu 260
Db 721 ACAGAACTCGAGATCAAAAGCGGAGTCACTACAGCTGCTAAACCTCAAGGCTTCTCG 780
Qy 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet 280
Db 781 TGTGTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 840
Qy 281 LeuLys 282
Db 841 CTAATAA 846

SEQUENCE 2
US-09-877-065-5
Sequence 5, Application US/09877065
Accession No. US20020051990A1
GENERAL INFORMATION:

APPLICANT: OPLE, ERIC
APPLICANT: MCLACHLAN, KAREN
APPLICANT: HEARD, CHERYL J.
TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR
TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
FILE REFERENCE: 037003-0280631
CURRENT APPLICATION NUMBER: US/09/877,065
CURRENT FILING DATE: 2001-06-11
PRIOR APPLICATION NUMBER: 60/210,451
PRIOR FILING DATE: 2000-06-09
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 1065
TYPE: DNA
ORGANISM: Homo sapiens
US-09-877-065-5

Alignment Scores:
Pred. No.: 2,466-172 Length: 1065
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-877-065-5 (1-1065)

Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
Db 72 ATGGCTTCCCTGGGGCAGATCTCTCTGGAGCATATAGCATCATCATATTCTGGCT 131
Qy 21 GlyAlaIleAlaLeuIleIleIleIleIleIleIleIleIleIleIleIleIleIle 40
Db 132 GGAGCAATTCACATCATCATCTGCTTTGGTATTTTCAGGAGACATCCATCATCATCT 191
Qy 41 ThrValAlaSerAlaGlyAsnIleGlyLeuAspGlyIleLeuSerCysThrPheGluPro 60
Db 192 ACTGTGCGCTCAGCTGGGAGCATTTGGGAGGATGAAATCTCTGAGCTGCATTTTGAACCT 251
Qy 61 AspIleLysLeuSerAspIleValIleGlnTrpLeuLysGlyValLeuGlyLeuVal 80
Db 252 GACATCAAACTTCTGATATCTGATATCAATGGCTGGAAGAGGTGTTTAGGCTTGGTC 311
Qy 81 HisGluPheLysGlyLysAspGlyLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 312 CATGATTCAGAGGCAAGATGAGCTGTGGAGCAGAGTGAATGTTCAGAGGCGG 371
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
Db 372 ACAGCAGTGTGCTGATCATCAAGTGTAGTTGGCAATGCCCTCTTTGGGCTGAAAAACGTG 431
Qy 121 GlnLeuThrAspAlaGlyThrTrpLysCysTrpIleIleIleIleIleIleIleIleIle 140
Db 432 CAATCTCAGATCTGGACCTTCAAAATGTTATATCATCATCTTCTTAAGGCGAGGGGAT 491
Qy 141 AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn 160
Db 492 GCTAACCTTGATATAAACTGGAGCTTCAGCATGCCGGAAGTGAATGTGAGTATAT 551
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
Db 552 GCCAGCTCAGAGACCTTGGCGTGTGAGGCTCCCGATGTTTCCCGACCCACAGTGTGTC 611
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 612 TGGGCATCCCAAGTGTGACAGGAGGCAACTTCTCGGAGCTCTCCATATACCATCTT 671
Qy 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrAsnValThrIleAsn 220
Db 672 CTGAATCTGAGAAATGTGACCATGAGGTGTGTGTCTGTCTGTCTGTCTGTCTGTCTGT 731
Qy 221 AsnThrTyrSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240

```

Db 732 AACACATCTCTCTGATGATGAAATGACATTCGCAAGACACAGGGATATCAAGTG 791
QY 241 ThrGluSerGluLeuIleValSerHisLeuGlnLeuAsnSerLysAlaSerIleu 260
Db 792 ACAGATCGAGATCAAGAGCGAGTCACTTACAGCTGCTAACTCAAGGCTTCTCG 851
QY 261 CyValSerSerPhePheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrIleuMet 280
Db 852 TGTGTCTCTCTCTCTTCTTTGTCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 911
QY 281 LeuIys 282
Db 912 CTAAGA 917

RESULT 3
US-09-989-722-290
; Sequence 290, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18

```

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 29, 2004, 22:45:14 ; Search time 149 Seconds
(without alignments)
6175.225 Million cell updates/sec

Title: US-10-063-567-59
Perfect score: 1658
Sequence: 1 GGAAGGCGAGCGAGCTCCA.....aaaaaaaaaaaaaaaaaaaaa 1658

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:**
1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PTUS COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1609.8	97.1	2627	4	US-09-404-879A-391
2	589.8	35.6	1567	4	US-09-404-879A-74
3	589.8	35.6	1567	4	US-09-338-933-74
4	589.8	35.6	1567	4	US-09-215-681-74
5	589.8	35.6	1567	4	US-09-216-003A-74
6	530.6	32.0	541	4	US-09-404-879A-28
7	530.6	32.0	541	4	US-09-338-933-28
8	530.6	32.0	541	4	US-09-215-681-28
9	530.6	32.0	541	4	US-09-216-003A-28
10	69	4.2	332	4	US-09-621-976-16031
11	67.6	4.1	396	4	US-09-640-173-10
12	67.6	4.1	396	4	US-09-713-550-10
13	67	4.0	2790	3	US-08-800-291B-1
14	66.6	4.0	413	4	US-09-227-357-71
15	66.2	4.0	329	4	US-09-621-976-16012
16	66.2	4.0	332	4	US-09-621-976-16050
17	66.2	4.0	332	4	US-09-621-976-16053
18	66.2	4.0	333	4	US-09-621-976-16032
19	66.2	4.0	333	4	US-09-621-976-16045
20	66.2	4.0	334	4	US-09-621-976-16044
21	66.2	4.0	335	4	US-09-621-976-16061
22	66.2	4.0	336	4	US-09-621-976-16013
23	66.2	4.0	338	4	US-09-621-976-16041
24	66.2	4.0	347	4	US-09-621-976-16026
25	66.2	4.0	357	4	US-09-621-976-16058
26	66.2	4.0	359	4	US-09-621-976-16008
27	66.2	4.0	359	4	US-09-621-976-16019

28	66.2	4.0	362	4	US-09-621-976-16010	Sequence 16010, A
29	66.2	4.0	365	4	US-09-621-976-16042	Sequence 16042, A
30	66.2	4.0	1582	3	US-08-545-196B-10	Sequence 10, Appl
31	66.2	4.0	1582	3	US-08-545-196B-12	Sequence 12, Appl
32	66	4.0	299	4	US-09-621-976-10211	Sequence 10211, A
33	65.8	4.0	326	4	US-09-621-976-16024	Sequence 16024, A
34	65.6	4.0	2567	3	US-08-993-260-4	Sequence 4, Appl
35	65.4	3.9	371	4	US-09-621-976-16048	Sequence 16048, A
36	65	3.9	327	4	US-09-621-976-16018	Sequence 16018, A
37	65	3.9	339	4	US-09-621-976-16015	Sequence 16015, A
38	64.8	3.9	1736	3	US-09-182-816-22	Sequence 22, Appl
39	64.8	3.9	1736	3	US-09-182-816-22	Sequence 22, Appl
40	64.8	3.9	1736	3	US-09-471-528-22	Sequence 24, Appl
41	64.8	3.9	1736	3	US-09-471-528-22	Sequence 24, Appl
42	64.8	3.9	1736	3	US-09-634-530-24	Sequence 22, Appl
43	64.8	3.9	1736	3	US-09-634-530-24	Sequence 24, Appl
44	64.6	3.9	336	4	US-09-621-976-16051	Sequence 16051, A
45	64.6	3.9	1474	3	US-08-821-394-64	Sequence 64, Appl

ALIGNMENTS

RESULT 1
US-09-404-879A-391
; Sequence 391, Application US/09404879A
; Patent No. 6468546

GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 333
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 391
; LENGTH: 2627
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-404-879A-391

Query Match		97.1%;	Score 1609.8;	DB 4;	Length 2627;
Best Local Similarity		99.9%;	Pred. No. 0;		
Matches 1611;		Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0;
QY	1	GGAGGGCAGCGGAGCTCCACTCAGCCAGTACCCAGATACGCTGGGAACCTTCCCCAGCC	60		
DB	23	GGAGGGCAGCGGAGCTCCACTCAGCCAGTACCCAGATACGCTGGGAACCTTCCCCAGCC	82		
QY	61	ATGGCTTCCCTGGGGCAGATCCTCTCTGGAGCATTAATAGCATCATTAATTTGGCT	120		
DB	83	ATGGCTTCCCTGGGGCAGATCCTCTCTGGAGCATTAATAGCATCATTAATTTGGCT	142		
QY	121	GGAGCAATTGCATCATCATTTGGTTTGGTATTTTCAGGAGACACTCATCAGTCACT	180		
DB	143	GGAGCAATTGCATCATCATTTGGTTTGGTATTTTCAGGAGACACTCATCAGTCACT	202		
QY	181	ACTGTGCGCTCAGCTGGGAAACATTGGGAGGATGGAATCTGAGCTGCACTTTGAACCT	240		
DB	203	ACTGTGCGCTCAGCTGGGAAACATTGGGAGGATGGAATCTGAGCTGCACTTTGAACCT	262		
QY	241	GCATCAAACTTCTGTATCTGTATCAATGGCTGAGGAAGCTGTTTAGGCTTGCTC	300		
DB	263	GCATCAAACTTCTGTATCTGTATCAATGGCTGAGGAAGCTGTTTAGGCTTGCTC	322		
QY	301	CATGAGTTCAAGAGGCAAGAGTACGCTGTCGGAGCAGGATGAATATGTCAGAGGCGG	360		
DB	323	CATGAGTTCAAGAGGCAAGAGTACGCTGTCGGAGCAGGATGAATATGTCAGAGGCGG	382		
QY	361	ACAGCAGTTTCTGTATCAAGTATGTTGGCATGCTCTTTGGGCTGAAAAACGTG	420		

Db 383 ACACGAGTGTGCTGATCAAGTATGATGCTCTCTTGGCGCTGAAACAGTG 442
Qy 421 CAATCAGAGTGTGCGCACTCAAAATGTTATATCACTCTTAAAGCAAGGGGAAT 480
Db 443 CAATCAGAGTGTGCGCACTCAAAATGTTATATCACTCTTAAAGCAAGGGGAAT 502
Qy 481 GCTAACTGTGATATAAACTGAGGCTTCAAGTATGCGGAGTGGATGAGTATAT 540
Db 503 GCTAACTGTGATATAAACTGAGGCTTCAAGTATGCGGAGTGGATGAGTATAT 562
Qy 541 GCCAGCTCAGAGACTTGGGTGTGAGGCTCCCGATGTTCCCGACGCCACAGTGGTC 600
Db 563 GCCAGCTCAGAGACTTGGGTGTGAGGCTCCCGATGTTCCCGACGCCACAGTGGTC 622
Qy 601 TGGGCATCCCAAGTGTGACGAGGAGCCAACTTCTCGAGTCTCCAAATACAGCTTTGAG 660
Db 623 TGGGCATCCCAAGTGTGACGAGGAGCCAACTTCTCGAGTCTCCAAATACAGCTTTGAG 682
Qy 661 CTGAACCTCTGAGATGTGACCATGAGGTGTGCTGTCTGTCTACATGTTAGATCAAC 720
Db 683 CTGAACCTCTGAGATGTGACCATGAGGTGTGCTGTCTGTCTACATGTTAGATCAAC 742
Qy 721 AACCATATCTCTGTATGATGAAATGACATGCTCCAAAGCAAGGGGATATCAAGTG 780
Db 743 AACCATATCTCTGTATGATGAAATGACATGCTCCAAAGCAAGGGGATATCAAGTG 802
Qy 781 ACAGAACTCGAGATCAAAAGCGGAGTCACTACAGCTGTCTAACTCAAGGCTTCTTG 840
Db 803 ACAGAACTCGAGATCAAAAGCGGAGTCACTACAGCTGTCTAACTCAAGGCTTCTTG 862
Qy 841 TGTGTCTCTCTTCTTGGCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900
Db 863 TGTGTCTCTCTTCTTGGCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 922
Qy 901 CTAAATTAATGTGCTTGGCCACAAAGCAAGTCAAGTCAAGTCAAGGATCT 960
Db 923 CTAAATTAATGTGCTTGGCCACAAAGCAAGTCAAGTCAAGTCAAGGATCT 982
Qy 961 ACAGAACTATTTACCAACAGATATGACCTAGTATTTATATTTCTGGGAGAAATGAATTC 1020
Db 983 ACAGAACTATTTACCAACAGATATGACCTAGTATTTATATTTCTGGGAGAAATGAATTC 1042
Qy 1021 ATATCTAGAGTCTGGAGTCAAGCAAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1080
Db 1043 ATATCTAGAGTCTGGAGTCAAGCAAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1102
Qy 1081 AGGCTCCAAATATGAACAGATAAATCTATCTTCAAGACATATTAAGTGTGGAAATA 1140
Db 1103 AGGCTCCAAATATGAACAGATAAATCTATCTTCAAGACATATTAAGTGTGGAAATA 1162
Qy 1141 ATTCACTGAGTCAAGCAAGTGTGTTAAGTGTATTAAGTGTATTAAGTGTGAGCAAGT 1200
Db 1163 ATTCACTGAGTCAAGCAAGTGTGTTAAGTGTATTAAGTGTATTAAGTGTGAGCAAGT 1222
Qy 1201 GCATCCCGAGATCTCAGGAGACCTCCCGCTGCTCACTGGGAGTGTAGAGCAGAGAT 1260
Db 1223 GCATCCCGAGATCTCAGGAGACCTCCCGCTGCTCACTGGGAGTGTAGAGCAGAGAT 1282
Qy 1261 AGTGCATGTTCTTGTCTGAAATTTAGTATATGCTGTAAATGTTGCTCTGAGGAA 1320
Db 1283 AGTGCATGTTCTTGTCTGAAATTTAGTATATGCTGTAAATGTTGCTCTGAGGAA 1342
Qy 1321 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCAAATTAAGCTGTAGT 1380
Db 1343 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCAAATTAAGCTGTAGT 1402
Qy 1381 ATGTACCTTAAGAGCTGTCTTAATGATGCTCACTTGTGCTGTAAATGTTGCTCTGAG 1440
Db 1403 ATGTACCTTAAGAGCTGTCTTAATGATGCTCACTTGTGCTGTAAATGTTGCTCTGAG 1462
Qy 1441 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGTGCTTCTCTTC 1500

Db 1463 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGTGCTTCTCTTC 1522
Qy 1501 CCAACTGACAAATGCCAAAGTGTGAGAAATGATCATTAATTTAGCATATAACAGAGCAGT 1560
Db 1523 CCAACTGACAAATGCCAAAGTGTGAGAAATGATCATTAATTTAGCATATAACAGAGCAGT 1582
Qy 1561 CGGGGACACCGATTTTATAATAAATGAACCTGAGACCTCTTTTAAACAAAAAA 1613
Db 1583 CGGGGACACCGATTTTATAATAAATGAACCTGAGACCTCTTTTAAACAAAAAA 1635

RESULT 2

US-09-404-879A-74
; Sequence 74, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; CURRENT APPLICATION NUMBER: US/09/404,879A
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 1567
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-404-879A-74

Query Match 35.6%; Score 589.8; DB 4; Length 1567;
Best Local Similarity 99.7%; Pred. No. 2.9e-139;
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1021 ATATCTAGAGTCTGGAGTCAAGCAAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 1080
Db 1 ATATCTAGAGTCTGGAGTCAAGCAAGAGCAAGCAAGCAAGCAAGCAAGCAAGCAAG 60
Qy 1081 AGGCTCCAAATATGAACAGATAAATCTATCTTCAAGACATATTAAGTGTGGAAATA 1140
Db 61 AGGCTCCAAATATGAACAGATAAATCTATCTTCAAGACATATTAAGTGTGGAAATA 120
Qy 1141 ATTCACTGAGTCAAGCAAGTGTGTTAAGTGTATTAAGTGTATTAAGTGTGAGCAAGT 1200
Db 121 ATTCACTGAGTCAAGCAAGTGTGTTAAGTGTATTAAGTGTATTAAGTGTGAGCAAGT 180
Qy 1201 GCATCCCGAGATCTCAGGAGACCTCCCGCTGCTCACTGGGAGTGTAGAGCAGAGAT 1260
Db 181 GCATCCCGAGATCTCAGGAGACCTCCCGCTGCTCACTGGGAGTGTAGAGCAGAGAT 240
Qy 1261 AGTGCATGTTCTTGTCTGAAATTTAGTATATGCTGTAAATGTTGCTCTGAGGAA 1320
Db 241 AGTGCATGTTCTTGTCTGAAATTTAGTATATGCTGTAAATGTTGCTCTGAGGAA 300
Qy 1321 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCAAATTAAGCTGTAGT 1380
Db 301 GCCCTTGGAAAGTCTATCCCAACATATCCACATCTTATATCCAAATTAAGCTGTAGT 360
Qy 1381 ATGTACCTTAAGAGCTGTCTTAATGATGCTCACTTGTGCTGTAAATGTTGCTCTGAG 1440
Db 361 ATGTACCTTAAGAGCTGTCTTAATGATGCTCACTTGTGCTGTAAATGTTGCTCTGAG 420
Qy 1441 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGTGCTTCTCTTC 1500
Db 421 AGTAATGGGTCAAAATGATTCATCTTTTATGATGCTTCCAAAGTGTGCTTCTCTTC 480
Qy 1501 CCAACTGACAAATGCCAAAGTGTGAGAAATGATCATTAATTTAGCATATAACAGAGCAGT 1560
Db 481 CCAACTGACAAATGCCAAAGTGTGAGAAATGATCATTAATTTAGCATATAACAGAGCAGT 540
Qy 1561 CGGGGACACCGATTTTATAATAAATGAACCTGAGACCTCTTTTAAACAAAAAA 1613

Db	541	CGCGGACCGGATTTTATAATAACTGAGCACCTTCTTTTAAACAAACA	593
Db	541	CGCGGACCGGATTTTATAATAACTGAGCACCTTCTTTTAAACAAACA	593
RESULT 3			
US-09-338-933-74			
Sequence 74, Application US/09338933			
Patent No. 648931			
GENERAL INFORMATION:			
APPLICANT: Mitcham, Jennifer Lynn			
APPLICANT: King, Gordon E.			
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF			
TITLE OF INVENTION: OVARIAN CANCER			
FILE REFERENCE: 210121.462C1			
CURRENT APPLICATION NUMBER: US/09/338,933			
CURRENT FILING DATE: 1999-06-23			
NUMBER OF SEQ ID NOS: 312			
SOFTWARE: FastSeq for Windows Version 3.0			
SEQ ID NO 74			
LENGTH: 1567			
TYPE: DNA			
ORGANISM: Homo sapien			
US-09-338-933-74			
Query Match	35.6%;	Score 589.8;	DB 4; Length 1567;
Best Local Similarity	99.7%;	Pred. No. 2.9e-139;	
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;			
QY	1021	ATATCTAGAAGTCTGGAGTGGAGAAACAGAGAGCAAGAAACAAAGAGGCAAAAGCAGAAAGCAGA	1080
DB	1	ATATCTAGAAGTCTGGAGTGGAGAAACAGAGAGCAAGAAACAAAGAGGCAAAAGCAGA	60
QY	1081	AGGCTCCAAATGAAACAGATTAATCTATCTTCAAAGACATATTAGAAGTTGGAAAAATA	1140
DB	61	AGGCTCCAAATGAAACAGATTAATCTATCTTCAAAGACATATTAGAAGTTGGAAAAATA	120
QY	1141	ATTTCATGTGCAACTAGACAGAGTGTCTTAAGAGTGTATAAGTAAATGCACTGGAGACAAAGT	1200
DB	121	ATTTCATGTGCAACTAGACAGAGTGTCTTAAGAGTGTATAAGTAAATGCACTGGAGACAAAGT	180
QY	1201	GCATCCCGAGATCTCAGGAGACCTCCCGCTGCTGTCACCTGGGAGGTGAGAGCACAGGAT	1260
DB	181	GCATCCCGAGATCTCAGGAGACCTCCCGCTGCTGTCACCTGGGAGGTGAGAGCACAGGAT	240
QY	1261	AGTCAGTGTCTTTGTCTCTCAATTTTGTATTATGTGCTGTAACTCTCTCTGAGGAA	1320
DB	241	AGTCAGTGTCTTTGTCTCTCAATTTTGTATTATGTGCTGTAACTCTCTCTGAGGAA	300
QY	1321	GCCCGTGGAAAGTCTATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTAGT	1380
DB	301	GCCCGTGGAAAGTCTATCCCAACATATCCACATCTTATATTCACAAATTAAGCTGTAGT	360
QY	1381	ATGTACCCCTAAGACGCTCTCAATTAAGTGCACACTTCGCAACTCAGGCGCGCTCATTTT	1440
DB	361	ATGTACCCCTAAGACGCTCTCAATTAAGTGCACACTTCGCAACTCAGGCGCGCTCATTTT	420
QY	1441	AGTAATGGGTCAAAATGATTCATCTTTTATGATAGCTTCCAAAGGTGCCTTGCTCTTC	1500
DB	421	AGTAATGGGTCAAAATGATTCATCTTTTATGATAGCTTCCAAAGGTGCCTTGCTCTTC	480
QY	1501	CCAACTGCAAAATGCCAAAGTTGAGAAAAATGATCATATTTTATAGCATAAACAGAGCAGT	1560
DB	481	CCAACTGCAAAATGCCAAAGTTGAGAAAAATGATCATATTTTATAGCATAAACAGAGCAGT	540
QY	1561	CGGGGACACCGGATTTTATAATAACTGAGCACCTTCTTTTAAACAAAAA	1613
DB	541	CGGGGACACCGGATTTTATAATAACTGAGCACCTTCTTTTAAACAAAAA	593

; GENERAL INFORMATION:		
; APPLICANT: Mitcham, Jennifer L.		
; APPLICANT: Fridakis, Tony N.		
; APPLICANT: King, Gordon E.		
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS		
; TITLE OF INVENTION: OF OVARIAN CANCER		
; FILE REFERENCE: 210121.463		
; CURRENT APPLICATION NUMBER: US/09/215,681A		
; CURRENT FILING DATE: 1998-12-17		
; NUMBER OF SEQ ID NOS: 310		
; SOFTWARE: FastSeq for Windows Version 3.0		
; SEQ ID NO 74		
; LENGTH: 1567		
; TYPE: DNA		
; ORGANISM: Homo sapien		
US-09-215-681-74		
Query Match	35.6%;	Score 589.8; DB 4; Length 1567;
Best Local Similarity	99.7%;	Pred. No. 2.9e-133;
Matches 591;	Conservative	0; Mismatches 2; Indels 0; Gaps 0;
QY	1021	ATACTAGAAAGTCGCGAGTCAGCAAAACAAGACGAAGAAACAAAAAGAAAGCCAAAGCAGA 1080
DB	1	ATACTAGAAAGTCGCGAGTCAGCAAAACAAGACGAAGAAACAAAAAGAAAGCCAAAGCAGA 60
QY	1081	AGGCTCCAAATATGAACAAGATAAATCTATCTTCRAAGACATATTAGAGTTGGGAATA 1140
DB	61	AGGCTCCAAATATGAACAAGATAAATCTATCTTCRAAGACATATTAGAGTTGGGAATA 120
QY	1141	ATTCAATGAACTAGACAAGTCGTGTTAAGAGTGATAGTAAATGCACTGCGACACAAGT 1200
DB	121	ATTCAATGAACTAGACAAGTCGTGTTAAGAGTGATAGTAAATGCACTGCGACACAAGT 180
QY	1201	GCATCCCCAGATCTCAGGGACCTCCCCCTGCTGTCACCTGGGAGTGAGAGGACAGAT 1260
DB	181	GCATCCCCAGATCTCAGGGACCTCCCCCTGCTGTCACCTGGGAGTGAGAGGACAGAT 240
QY	1261	AGTGCATGTTCTTTGTCTCTGCAATTTTATAGTGTATATGCTGTAAATGTTGCTCTGAGAA 1320
DB	241	AGTGCATGTTCTTTGTCTCTGCAATTTTATAGTGTATATGCTGTAAATGTTGCTCTGAGAA 300
QY	1321	GCCCTCGGAAGTCTATCCCAACATATCCACATCTTATATATCCCAAAATTAAGCTGTAGT 1380
DB	301	GCCCTCGGAAGTCTATCCCAACATATCCACATCTTATATATCCCAAAATTAAGCTGTAGT 360
QY	1381	ATGTACCTTAAGACGCTGCTTAATGTACTGCCACTTCGCAACTCAGGGCGGCTGCATTTT 1440
DB	361	ATGTACCTTAAGACGCTGCTTAATGTACTGCCACTTCGCAACTCAGGGCGGCTGCATTTT 420
QY	1441	AGTAATGGTCAATGATGTTACATTTTATGATGCTTCGAAAGTGTCCTTGGCTTCTCTTC 1500
DB	421	AGTAATGGTCAATGATGTTACATTTTATGATGCTTCGAAAGTGTCCTTGGCTTCTCTTC 480
QY	1501	CCAACTGCAAAATGCCAAAGTCGAGAAAATGATCATATTTTAGCATTAACAGAGCAGT 1560
DB	481	CCAACTGCAAAATGCCAAAGTCGAGAAAATGATCATATTTTAGCATTAACAGAGCAGT 540
QY	1561	CGGGGACACCGATTTTATTAATAATAAATGAGACCTCTCTTTTAAACAAAAAA 1613
DB	541	CGGGGACACCGATTTTATTAATAATAAATGAGACCTCTCTTTTAAACAAAAAA 593
RESULT 5		
US-09-216-003A-74		
; Sequence 74, Application US/09216003A		
; Patent No. 6670463		
; GENERAL INFORMATION:		
; APPLICANT: Mitcham, Jennifer L.		
; APPLICANT: Fridakis, Tony N.		
; APPLICANT: King, Gordon E.		
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF OVARIAN CANCER		
; FILE REFERENCE: 210121.462		
; CURRENT APPLICATION NUMBER: US/09/216, 003A		

Db 1 MASLGQILFWSIITIIILAGALIIIGFISGRHSITVTIVASAGNIGDGLSCITFEP 60
 QY 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSDQEMFRGRTAVFADQVIVGNASLRKXV 120
 Db 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSDQEMFRGRTAVFADQVIVGNASLRKXV 120
 QY 121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNDYNASSETLRCEAPRFPPTVV 180
 Db 121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNDYNASSETLRCEAPRFPPTVV 180
 QY 181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLVNVTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLVNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282
 Db 241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282

RESULT 3
 AAU29132
 ID AAU29132 standard; protein; 282 AA.
 XX AC AAU29132;
 XX DT 18-DEC-2001 (first entry)
 XX DE Human PRO polypeptide sequence #109.
 XX KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
 XX KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 XX KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 XX KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
 XX OS Homo sapiens.
 XX FN WO200168848-A2.
 XX PD 20-SEP-2001.
 XX PF 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 06-MAR-2000; 2000US-0186968P.
 PR 14-MAR-2000; 2000US-0189320P.
 PR 14-MAR-2000; 2000US-0189328P.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 21-MAR-2000; 2000US-0190828P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 21-MAR-2000; 2000US-0191048P.
 PR 21-MAR-2000; 2000US-0191314P.
 PR 28-MAR-2000; 2000US-0192655P.
 PR 29-MAR-2000; 2000US-0193032P.
 PR 29-MAR-2000; 2000US-0193053P.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 04-APR-2000; 2000US-0194449P.
 PR 11-APR-2000; 2000US-0194647P.
 PR 11-APR-2000; 2000US-0195975P.
 PR 11-APR-2000; 2000US-0196000P.
 PR 11-APR-2000; 2000US-0196187P.
 PR 11-APR-2000; 2000US-0196690P.
 PR 11-APR-2000; 2000US-0196820P.
 PR 18-APR-2000; 2000US-0198121P.
 PR 18-APR-2000; 2000US-0198585P.
 PR 25-APR-2000; 2000US-0199397P.
 PR 25-APR-2000; 2000US-0199550P.
 PR 03-MAY-2000; 2000US-0201516P.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.

QY 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSDQEMFRGRTAVFADQVIVGNASLRKXV 120
 Db 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSDQEMFRGRTAVFADQVIVGNASLRKXV 120
 QY 121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNDYNASSETLRCEAPRFPPTVV 180
 Db 121 QLTDACTYKCYIITSGKGNANLEYKTGAFSPMPVNDYNASSETLRCEAPRFPPTVV 180
 QY 181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLVNVTINNTYSCMIENDIAKATGDIKV 240
 Db 181 WASQVDQGANFSEVNTSFELNSENVTMKVSVLVNVTINNTYSCMIENDIAKATGDIKV 240
 QY 241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282
 Db 241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282

RESULT 2
 AAB12557
 ID AAB12557 standard; protein; 282 AA.
 XX AC AAB12557;
 XX DT 07-NOV-2000 (first entry)
 XX DE Human ovarian carcinoma antigen OGE protein SEQ ID NO:393.
 XX KW Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
 XX KW tumour antigen; identification; cytostatic; Gene therapy; vaccine.
 XX OS Homo sapiens.
 XX FN WO200036107-A2.
 XX PD 22-JUN-2000.
 XX PF 17-DEC-1999; 99WO-US030270.
 XX PR 17-DEC-1998; 98US-00215681.
 XX PR 17-DEC-1998; 98US-00216003.
 XX PR 23-JUN-1999; 99US-00338933.
 XX PR 24-SEP-1999; 99US-00404879.
 XX PA (CORI-) CORIXA CORP.
 XX PI Mitcham JL, King GE, Algate PA, Frudakis TN;
 XX WPI; 2000-431589/37.
 XX PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid
 XX PT encoding it, useful for the diagnosis, prevention and treatment of
 XX PT cancer, preferably ovarian cancer.
 XX PS Example 2; Page 207; 299pp; English.
 CC The present invention describes an isolated polypeptide comprising an
 CC immunogenic portion of an ovarian carcinoma protein (or its variants).
 CC Ovarian carcinoma proteins, and polynucleotides encoding them, have
 CC cytostatic activity and can be used in gene therapy and vaccines. Ovarian
 CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful
 CC for the prevention, diagnosis and treatment of cancer, preferably ovarian
 CC cancer. AAG9691 to AAG7007 and AAB12552 to AAB12557 represent human
 CC ovarian carcinoma polynucleotides and proteins used in the
 CC exemplification of the present invention
 XX Sequence 282 AA;
 SQ

Query: Watchdog, 100.0%, Score 1431; DB 3; Length 282;
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 1 MASLGQILFWSIITIIILAGALIIIGFISGRHSITVTIVASAGNIGDGLSCITFEP 60

181 WASQVDCANFSEVNTSFELNSENVTKVSVLYNVTNTTSCMIENDIAKATGDIKV 240
181 WASQVDCANFSEVNTSFELNSENVTKVSVLYNVTNTTSCMIENDIAKATGDIKV 240
241 TESIKRSHQLLNKSKSLCVSFFFAISWALLPLSPYMLK 282
241 TESIKRSHQLLNKSKSLCVSFFFAISWALLPLSPYMLK 282
RESULT 6
AAB65242
ID AAB65242 standard; protein; 282 AA.
XX
AC AAB65242;
XX
DT 02-APR-2001 (first entry)
XX
DE Human PRO1291 (UNG659) protein sequence SEQ ID NO:291.
XX
KW Human; secreted and transmembrane protein; PRO; cytostatic; cell death;
KW cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay.
XX
OS Homo sapiens.
XX
PN WO200073454-A1.
XX
PD 07-DEC-2000.
XX
PF 30-MAR-2000; 2000WO-US008439.
XX
PR 02-JUN-1999; 99US-0141037P.
XX
PR 23-JUN-1999; 99US-0141037P.
XX
PR 07-JUL-1999; 99US-0143048P.
XX
PR 20-JUL-1999; 99US-0144758P.
XX
PR 26-JUL-1999; 99US-0145698P.
XX
PR 17-AUG-1999; 99US-0146222P.
XX
PR 15-SEP-1999; 99US-0149396P.
XX
PR 15-SEP-1999; 99WO-US021090.
XX
PR 08-OCT-1999; 99US-0158663P.
XX
PR 30-NOV-1999; 99WO-US028313.
XX
PR 01-DEC-1999; 99WO-US028301.
XX
PR 16-DEC-1999; 99WO-US030095.
XX
PR 20-DEC-1999; 99WO-US030911.
XX
PR 05-JAN-2000; 2000WO-US000219.
XX
PR 06-JAN-2000; 2000WO-US000376.
XX
PR 11-FEB-2000; 2000WO-US003565.
XX
PR 18-FEB-2000; 2000WO-US004341.
XX
PR 22-FEB-2000; 2000WO-US004414.
XX
PR 24-FEB-2000; 2000WO-US004914.
XX
PR 02-MAR-2000; 2000WO-US005004.
XX
PR 15-MAR-2000; 2000WO-US005841.
XX
PR 20-MAR-2000; 2000WO-US006884.
XX
PR 20-MAR-2000; 2000WO-US007377.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart JA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI; 2001-032160/04.
XX N-PSDB; AAF44205.
XX
XX PRO polynucleotides used to produce polypeptides used to target bioactive
XX molecules such as toxins, radiolabels or antibodies, to specific cells,
XX to cause targeted cell death.
XX Claim 12; Fig 208; 935pp; English.
XX

181 WASQVDCANFSEVNTSFELNSENVTKVSVLYNVTNTTSCMIENDIAKATGDIKV 240
241 TESIKRSHQLLNKSKSLCVSFFFAISWALLPLSPYMLK 282
241 TESIKRSHQLLNKSKSLCVSFFFAISWALLPLSPYMLK 282
RESULT 5
AAB99204
ID AAB99204 standard; protein; 282 AA.
XX
AC AAB99204;
XX
DT 04-SEP-2001 (first entry)
XX
DE Human ovarian tumour-derived antigen O8E-#1
XX
KW Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
KW antigen; O8E.
XX
OS Homo sapiens.
XX
PN WO200140269-A2.
XX
PD 07-JUN-2001.
XX
PF 29-NOV-2000; 2000WO-US032520.
XX
PR 30-NOV-1999; 99US-00451651.
XX
PR 22-FEB-2000; 2000US-00510662.
XX
PR 10-MAR-2000; 2000US-00523586.
XX
PR 07-APR-2000; 2000US-00545068.
XX
PR 15-MAY-2000; 2000US-00571025.
XX
XX (CORI-) CORIXA CORP.
XX
PI Dillon DC, Day CH, Jiang Y, Houghton RL, Mitcham JL, Wang A;
XX
XX WPI; 2001-356154/37.
XX N-PSDB; AAH55681.
XX
XX Breast tumor polypeptides and the nucleic acids that encode them, useful
XX for the prevention, diagnosis and treatment of breast cancer.
XX
XX Example 3; Page 190; 221pp; English.
XX
XX The present invention relates to human breast tumour protein coding
XX sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-
XX AAH55762). The breast tumour protein DNA sequences may be used in the
XX prevention, diagnosis and treatment of diseases associated with
XX inappropriate expression of the breast tumour protein e.g. breast cancer.
XX The present sequence is a human ovarian tumour-derived antigen, which was
XX used in an example from the present invention
XX
XX Sequence 282 AA;
XX
XX Query Match 100.0%; Score 1431; DB 4; Length 282;
XX Best Local Similarity 100.0%; Pred. No. 3.9e-118;
XX Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60
XX
XX 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60
XX
XX 61 DIKLSDIVIOMKEGVGLVHEFKGKDELSEQDEMERGRITAVFADQIVVGNASRLKNV 120
XX
XX 61 DIKLSDIVIOMKEGVGLVHEFKGKDELSEQDEMERGRITAVFADQIVVGNASRLKNV 120
XX
XX 121 QLTADGTYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRPPTTV 180
XX
XX 121 QLTADGTYKCYIITSKGNANLEYKTGAFSMPENVVDYNASSETLRCEAPRPPTTV 180

PA (AMGE-) AMGEN INC.
 XX Fox M, Sullivan JK, Fang M;
 XX WPI; 2002-171639/22.
 DR N-PSDB; AAD29253.
 XX
 XX Novel B7-like polypeptides, polynucleotides and their modulators useful
 PT for prevention and treatment of reproductive, immune and proliferative
 PT disorders, e.g. cancer, arteriosclerosis.
 XX
 XX Claim 13; Fig 1A-1B; 13pp; English.
 XX
 XX The present invention relates to an isolated B7-like (B7-L) polypeptide
 CC and its polynucleotide. B7-1 and its modulators are useful for treating
 CC reproductive disorders (e.g. infertility, miscarriage, preterm labour and
 CC delivery and endometriosis) and proliferative disorders. Antibodies,
 CC soluble proteins comprising extracellular domains and other regulators of
 CC B7-L are useful for enhancing the immune response to tumours. B7-1 plays
 CC a role in growth and maintenance of cancer cells based on the observation
 CC of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1.
 CC Modulators of B7-1 are useful for the treatment of cancer e.g. seminal
 CC vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of
 CC haematopoietic system. B7-1 and their modulators are useful to treat
 CC autoimmune diseases such as systemic lupus erythematosus, rheumatoid
 CC arthritis, immune thrombocytopenic purpura and psoriasis, chronic
 CC inflammatory disease such as inflammatory bowel disease (Crohn's disease
 CC and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and
 CC diabetes mellitus. They are also useful as immunosuppressive agents for
 CC bone marrow and organ transplantation or to prolong graft survival.
 CC Modulators of B7-L are also useful for diagnosis and treatment of
 CC diseases involving abnormal cell proliferation, arteriosclerosis and
 CC vascular stenosis. Soluble B7-L serves as vaccine adjuvants.
 CC Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
 CC allo sensitisation due to blood transfusions, and for treatment of
 CC multiple sclerosis, allergy, asthma and hypersensitivity reactions,
 CC nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and
 CC pemphigoid), endocrinopathies, various neuropathies, vasculopathies,
 CC coeliac disease, anaemia, thrombocytopaenia, Guillain-Barre syndrome and
 CC myasthenia gravis, and lymphoproliferative disorders such as multiple
 CC myeloma. B7-L gene is useful in gene therapy and to map the locations of
 CC B7-L gene and related genes on chromosomes, as hybridisation probes in
 CC diagnostic assays, for isolating corresponding chromosomal B7-L genes,
 CC and to identify heritable tissue-degenerating diseases. The present
 XX sequence is human B7-L protein
 XX
 XX Sequence 282 AA;
 XX
 Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLQILFWISIIIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60
 DB 1 MASLQILFWISIIIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60
 QY 61 DIKLSDIVIOMKEGLVHFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
 DB 61 DIKLSDIVIOMKEGLVHFKEGKDELSEQDEMFRGRTAVFADQVIVGNASRLKNV 120
 QY 121 QLTDAQTKCYIIITSGKGNANLYKTGAFSPNPEVNDYNASSITLRCRAPRPQPTVV 180
 DB 121 QLTDAQTKCYIIITSGKGNANLYKTGAFSPNPEVNDYNASSITLRCRAPRPQPTVV 180
 QY 181 WASQVDQGANFSEVENTSFELNSENVTKVSVLYNVTINNTYSCMTENDIAKATGDIKV 240
 DB 181 WASQVDQGANFSEVENTSFELNSENVTKVSVLYNVTINNTYSCMTENDIAKATGDIKV 240
 QY 241 TSEIKRSHLOLINSKSLCVSSPFAISWALLPLSPYIMLK 282
 DB 241 TSEIKRSHLOLINSKSLCVSSPFAISWALLPLSPYIMLK 282

RESULT 15
 ABB09879
 ID ABB09879 standard; protein; 282 AA.
 XX
 XX AC ABB09879;
 XX
 DT 30-JUL-2002 (first entry)
 XX
 XX Amino acid sequence of the OREO gene (gene B).
 DE
 XX Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
 XX
 XX Homo sapiens.
 OS
 XX
 XX Key Location/Qualifiers
 FH Domain 12..31
 FT /note= "predicted transmembrane domain"
 FT Domain 46..145
 FT /note= "predicted Ig domain"
 FT Modified-site 112
 FT /note= "N-glycosylation site"
 FT Modified-site 160
 FT /note= "N-glycosylation site"
 FT Modified-site 190
 FT /note= "N-glycosylation site"
 FT Modified-site 196
 FT /note= "N-glycosylation site"
 FT Modified-site 205
 FT /note= "N-glycosylation site"
 FT Modified-site 216
 FT /note= "N-glycosylation site"
 FT Modified-site 220
 FT /note= "N-glycosylation site"
 XX
 WO200194641-A2.
 XX
 13-DEC-2001.
 XX
 11-JUN-2001; 2001WO-US018700.
 XX
 09-JUN-2000; 2000US-0210451P.
 XX
 (IDEC-) IDEC PHARM CORP.
 XX
 Ople E, McLachlan K, Heard C;
 FI
 XX
 WPI; 2002-404365/43.
 DR N-PSDB; ABL56582.
 XX
 New polynucleotide and corresponding antigens from human ovarian cancer
 PT cells, useful for treatment and diagnosis of ovarian cancer.
 XX
 Claim 12; Fig 7b; 71pp; English.
 PS
 XX
 XX The present sequence represents a protein designated OREO. The OREO (Ople
 CC RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also
 CC designated gene B. This gene was identified by representational
 CC difference analysis (RDA) screening, and is selectively expressed by
 CC certain human ovarian tumours. The specification also describes gene A,
 CC identified by the same method. Gene A and B polynucleotides are useful
 CC for detecting ovarian cancer. Their polypeptides are useful for treating
 CC ovarian cancer
 XX
 XX Sequence 282 AA;
 XX
 Query Match 100.0%; Score 1431; DB 5; Length 282;
 Best Local Similarity 100.0%; Pred. No. 3.9e-118;
 Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MASLQILFWISIIIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60
 DB 1 MASLQILFWISIIIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60

Qy	61	DIKLSDIVIQWLKEGVLGLVHBFKEGKOBELSEQDENFRGRTAVFADQVIVGNASRLKNV	120
Db	61	DIKLSDIVIQWLKEGVLGLVHBFKEGKOBELSEQDENFRGRTAVFADQVIVGNASRLKNV	120
Qy	121	OLTDAGTYKCYIITSKKGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPFPQPTVV	180
Db	121	OUTDAGTYKCYIITSKKGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPFPQPTVV	180
Qy	181	WASQVDQGANFSEVSNTSPELNSENVMTKVSVLYNVNTINNTYSCHIENDIAKATGDIKV	240
Db	181	WASQVDQGANFSEVSNTSPELNSENVMTKVSVLYNVNTINNTYSCHIENDIAKATGDIKV	240
Qy	241	TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMK	282
Db	241	TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMK	282

Search completed: May 28, 2004, 14:34:07
Job time : 62 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.
OM nucleic - nucleic search, using sw model
Run on: May 29, 2004, 22:45:14 ; Search time 149 Seconds
(without alignments)
6175.225 Million cell updates/sec
Title: US-10-063-567-59
Perfect score: 1658
Sequence: 1 ggaagcagcgcagctcca.....aaaaaaaaaaaaaaaaaaaaa 1658
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 682709 seqs, 277475446 residues
Total number of hits satisfying chosen parameters: 1365418
Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
Database : Issued Patents NA: *
1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1609.8	97.1	2627	4	US-09-404-879A-391
2	589.8	35.6	1567	4	US-09-404-879A-74
3	589.8	35.6	1567	4	US-09-338-933-74
4	589.8	35.6	1567	4	US-09-215-681-74
5	589.8	35.6	1567	4	US-09-216-003A-74
6	530.6	32.0	541	4	US-09-404-879A-28
7	530.6	32.0	541	4	US-09-338-933-28
8	530.6	32.0	541	4	US-09-215-681-28
9	530.6	32.0	541	4	US-09-216-003A-28
10	69	4.2	332	4	US-09-621-976-16031
11	67.6	4.1	396	4	US-09-640-173-10
12	67.6	4.1	396	4	US-09-713-550-10
13	67	4.0	2790	3	US-08-800-291B-1
14	66.6	4.0	413	4	US-09-227-357-71
15	66.2	4.0	329	4	US-09-621-976-16012
16	66.2	4.0	332	4	US-09-621-976-16050
17	66.2	4.0	332	4	US-09-621-976-16053
18	66.2	4.0	333	4	US-09-621-976-16032
19	66.2	4.0	333	4	US-09-621-976-16045
20	66.2	4.0	334	4	US-09-621-976-16044
21	66.2	4.0	335	4	US-09-621-976-16061
22	66.2	4.0	336	4	US-09-621-976-16013
23	66.2	4.0	338	4	US-09-621-976-16041
24	66.2	4.0	347	4	US-09-621-976-16026
25	66.2	4.0	357	4	US-09-621-976-16058
26	66.2	4.0	359	4	US-09-621-976-16008
27	66.2	4.0	359	4	US-09-621-976-16019

28 66.2 4.0 362 4 US-09-621-976-16010 Sequence 16010, A
29 66.2 4.0 365 4 US-09-621-976-16042 Sequence 16042, A
30 1582 3 US-08-545-196B-10 Sequence 10, Appl
31 66.2 4.0 1582 3 US-08-545-196B-12 Sequence 12, Appl
32 66 4.0 299 4 US-09-621-976-10211 Sequence 10211, A
33 65.8 4.0 326 4 US-09-621-976-16024 Sequence 16024, A
34 65.6 4.0 2567 3 US-08-993-260-4 Sequence 4, Appl
35 65.4 3.9 371 4 US-08-621-976-16048 Sequence 16048, A
36 65 3.9 327 4 US-09-621-976-16018 Sequence 16018, A
37 65 3.9 339 4 US-09-621-976-16015 Sequence 22, Appl
38 64.8 3.9 1736 3 US-09-182-816-22 Sequence 24, Appl
39 64.8 3.9 1736 3 US-09-471-528-22 Sequence 24, Appl
40 64.8 3.9 1736 3 US-09-471-528-22 Sequence 24, Appl
41 64.8 3.9 1736 3 US-09-634-530-22 Sequence 24, Appl
42 64.8 3.9 1736 3 US-09-634-530-22 Sequence 24, Appl
43 64.8 3.9 1736 3 US-09-621-976-16051 Sequence 16051, A
44 64.6 3.9 336 4 US-08-821-994-64 Sequence 64, Appl
45 64.6 3.9 1474 3 US-08-821-994-64 Sequence 64, Appl

ALIGNMENTS

RESULT 1
US-09-404-879A-391
; Sequence 391, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 391
; LENGTH: 2627
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-404-879A-391

Query Match 97.1%; Score 1609.8; DB 4; Length 2627;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1611; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 GGAAGGCGAGCGCAGCTCCACTCAGCAGTACCCAGATACGCTGGAAACCTTCCCGAGCC 60
Db 23 GGAAGGCGAGCGCAGCTCCACTCAGCAGTACCCAGATACGCTGGAAACCTTCCCGAGCC 82
QY 61 ATGGCTTCCCTGGGCGAGATCCTCTCTGGAGCATTAATAGCATCATATTCTGGCT 120
Db 83 ATGGCTTCCCTGGGCGAGATCCTCTCTGGAGCATTAATAGCATCATATTCTGGCT 142
QY 121 GGAGCAATTGCACTCATCATCTTGGCTTTGGTATTTTCAGGAGACACTCCATCAGCTCACT 180
Db 143 GGAGCAATTGCACTCATCATCTTGGCTTTGGTATTTTCAGGAGACACTCCATCAGCTCACT 202
QY 181 ACTGTCGCTCAGCTGGGAAACATTTGGGAGGATGAATCTCGAGTGCACTTTTGAACCT 240
Db 203 ACTGTCGCTCAGCTGGGAAACATTTGGGAGGATGAATCTCGAGTGCACTTTTGAACCT 262
QY 241 GACATCAAACTTCTGATATCGTATACATGCTGTAAGGAGGTTTGTAGGCTTGGTC 300
Db 263 GACATCAAACTTCTGATATCGTATACATGCTGTAAGGAGGTTTGTAGGCTTGGTC 322
QY 301 CATGAGTTCAAAAGAGCGCAAGATGAGCTGTGCGAGCAGGATGAATGTTTCAGAGCCGG 360
Db 323 CATGAGTTCAAAAGAGCGCAAGATGAGCTGTGCGAGCAGGATGAATGTTTCAGAGCCGG 382
QY 361 ACAGCAGTGTTCCTGATCAAGTATAGTTGGCAATGCTCTTTGGCGCTGAAACCTG 420

```
Db 383 ACAGCAGTGTTCGTGATCAAGTGATAGTTGGCAATGCTCTTTTGGCGCTGAAAAACGTG 442
Qy 421 CAACCTCAGATGCTGCACCTCAAAATGTTATATCATCATCTCTAAAGGCAAGGGAAT 480
Db 443 CAACCTCAGATGCTGCACCTCAAAATGTTATATCATCATCTCTAAAGGCAAGGGAAT 502
Qy 481 GCTAACCTTGAGTATAAAATCGAGAGCTTCAGCATGCGGGAAGTGAATGTGACTATAAT 540
Db 503 GCTAACCTTGAGTATAAAATCGAGAGCTTCAGCATGCGGGAAGTGAATGTGACTATAAT 562
Qy 541 GCAGCTCAGAGACTTCGGGTGAGGCTCCCGATGTTCCCGACGCCACAGTGGTC 600
Db 563 GCCAGCTCAGAGACTTCGGGTGAGGCTCCCGATGTTCCCGACGCCACAGTGGTC 622
Qy 601 TGGGATCCCAAGTGTACAGGAGGCAACTTCTCGGAAGTCTCCAAATACCAAGCTTTGAG 660
Db 623 TGGGATCCCAAGTGTACAGGAGGCAACTTCTCGGAAGTCTCCAAATACCAAGCTTTGAG 682
Qy 661 CTGAACTCTGAGATGTGACATGAAGTGTGCTGTGCTGTACATGTTCAGATCAAC 720
Db 683 CTGAACTCTGAGATGTGACATGAAGTGTGCTGTGCTGTACATGTTCAGATCAAC 742
Qy 721 AACACATACCTCTGTATGATTGAAATGACATTCGCAAGCAACAGGGGATATCAAGTG 780
Db 743 AACACATACCTCTGTATGATTGAAATGACATTCGCAAGCAACAGGGGATATCAAGTG 802
Qy 781 ACAGATCGGAGATCAAAAGCGGAGTCACTACAGCTGTAACTCAAGGCTTCTCTG 840
Db 803 ACAGATCGGAGATCAAAAGCGGAGTCACTACAGCTGTAACTCAAGGCTTCTCTG 862
Qy 841 TGTGTCTCTCTCTTTTGGCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900
Db 863 TGTGTCTCTCTCTTTTGGCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 922
Qy 901 CTAAAAATATGTGCTTGGCCACAAAAAGCATGCAAGTCAATGTTTACAAAGGATCT 960
Db 923 CTAAAAATATGTGCTTGGCCACAAAAAGCATGCAAGTCAATGTTTACAAAGGATCT 982
Qy 961 ACAGACTATTTTACCAACCATATGACCTAGTTTATTTTCTGGGAGGAATGAATTC 1020
Db 983 ACAGACTATTTTACCAACCATATGACCTAGTTTATTTTCTGGGAGGAATGAATTC 1042
Qy 1021 ATATCTAGAACTGTGGAGTGAAGAAACAGAGCAAGAAACAAAAGAGCCAAAGCAGA 1080
Db 1043 ATATCTAGAACTGTGGAGTGAAGAAACAGAGCAAGAAACAAAAGAGCCAAAGCAGA 1102
Qy 1081 AGGCTCCCAATATGAACAGATAATCTATCTTCAAAGACATATTAGAGTTGGGAAATA 1140
Db 1103 AGGCTCCCAATATGAACAGATAATCTATCTTCAAAGACATATTAGAGTTGGGAAATA 1162
Qy 1141 ATTCAATGTGAACAGAAAGTGTGTTAAGAGTGAATGAATAAATGCAAGTGAAGT 1200
Db 1163 ATTCAATGTGAACAGAAAGTGTGTTAAGAGTGAATGAATAAATGCAAGTGAAGT 1222
Qy 1201 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 1260
Db 1223 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 1282
Qy 1261 AGTGCATGTCTTGTCTCTGAATTTTATGTTATATGCTGTGTTATGCTCTGAGGAA 1320
Db 1283 AGTGCATGTCTTGTCTCTGAATTTTATGTTATATGCTGTGTTATGCTCTGAGGAA 1342
Qy 1321 GCCCTGGAAAGTCTATCCCAACATATCCATCTTATATTCACAAATTAAGCTGTAGT 1380
Db 1343 GCCCTGGAAAGTCTATCCCAACATATCCATCTTATATTCACAAATTAAGCTGTAGT 1402
Qy 1381 ATGTACCTTAAGACGCTGTATTTGACTGCCACTTTCGCAACTCAGGGGCGGCTCATTTT 1440
Db 1403 ATGTACCTTAAGACGCTGTATTTGACTGCCACTTTCGCAACTCAGGGGCGGCTCATTTT 1462
Qy 1441 AGTAATGGGTCAAAATGATTCATTTTATGATGCTTCAAAGGCTGCTTCTCTCTTC 1500
```

```
Db 1463 AGTAATGGGTCAAAATGATTCATTTTATGATGCTTCAAAGGCTGCTTCTCTTC 1522
Qy 1501 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATAATTTTACGATAAACAAGCAGT 1560
Db 1523 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATAATTTTACGATAAACAAGCAGT 1582
Qy 1561 CGGGACACCCGATTTTATAAATAAAGTGAACCTTCTCTTTTAAACAAAAA 1613
Db 1583 CGGGACACCCGATTTTATAAATAAAGTGAACCTTCTCTTTTAAACAAAAA 1635

RESULT 2
US-09-404-879A-74
; Sequence 74, Application US/09404879A
; Patent No.: 648546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C3
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 74
; LENGTH: 1567
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-404-879A-74

Query Match 35.6%; Score 589.8; DB 4; Length 1567;
Best Local Similarity 99.7%; Pred. No. 2.9e-139;
Matches 591; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1021 ATATCTAGAGTCTGAGTGAACAAAGCAAGAGCAAGAAAGAGGACCAAGGCAAGCAGA 1080
Db 1 ATATCTAGAGTCTGAGTGAACAAAGCAAGAGCAAGAAAGAGGACCAAGGCAAGCAGA 60
Qy 1081 AGGCTCCCAATATGAACAGATAAATCTATCTTCAAAGACATATTAGAAAGTTGGGAAATA 1140
Db 61 AGGCTCCCAATATGAACAGATAAATCTATCTTCAAAGACATATTAGAAAGTTGGGAAATA 120
Qy 1141 ATTCATGTGAACATAGACAAAGTGTGTTAAGAGTGAATGAATAATGCAAGTGAAGCAGT 1200
Db 121 ATTCATGTGAACATAGACAAAGTGTGTTAAGAGTGAATGAATAATGCAAGTGAAGCAGT 180
Qy 1201 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 1260
Db 181 GCATCCCGAGATCTCAGGAGCTCCCGCTGCTGTCACTGGGAGTGAGAGGACAGAT 240
Qy 1261 AGTGCATGTCTTGTCTCTGAATTTTATGTTATATGCTGTGTTATGCTCTGAGGAA 1320
Db 241 AGTGCATGTCTTGTCTCTGAATTTTATGTTATATGCTGTGTTATGCTCTGAGGAA 300
Qy 1321 GCCCTGGAAAGTCTATCCCAACATATCCATCTTATATTCACAAATTAAGCTGTAGT 1380
Db 301 GCCCTGGAAAGTCTATCCCAACATATCCATCTTATATTCACAAATTAAGCTGTAGT 360
Qy 1381 ATGTACCTTAAGACGCTGTATTTGACTGCCACTTTCGCAACTCAGGGGCGGCTCATTTT 1440
Db 361 ATGTACCTTAAGACGCTGTATTTGACTGCCACTTTCGCAACTCAGGGGCGGCTCATTTT 420
Qy 1441 AGTAATGGGTCAAAATGATTCATTTTATGATGCTTCAAAGGCTGCTTCTCTCTTC 1500
Db 421 AGTAATGGGTCAAAATGATTCATTTTATGATGCTTCAAAGGCTGCTTCTCTCTTC 480
Qy 1501 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATAATTTTACGATAAACAAGCAGT 1560
Db 481 CCAACTGACAAATGCCAAAGTTGAGAAATATGATCATAATTTTACGATAAACAAGCAGT 540
Qy 1561 CGGGACACCCGATTTTATAAATAAAGTGAACCTTCTCTTTTAAACAAAAA 1613
```


Db 241 TCTTTGCTCTGAAATTTTGTATAGTCTGTAAATGTTGCTCTGAGGAAGCCCTGGA 300
QY 1330 AAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGTATGACCT 1389
Db 301 AAGTCTATCCCAACATATCCACATCTTATATCCACAAATTAAGCTGTAGTATGACCT 360
QY 1390 AAGAGCTGCTAAATGACTGCACCTTCGCAACTCGAGGGCGGCTGCAATTTAGTAATGGG 1449
Db 361 AAGAGCTGCTAAATGACTGCACCTTCGCAACTCGAGGGCGGCTGCAATTTAGTAATGGG 420
QY 1450 TCAATGATTCACATTTTATGATGCTTCCAAAGTGCTTGGCTCTCTCCCACTGAC 1509
Db 421 TCAATGATTCACATTTTATGATGCTTCCCAAGTGCTTGGCTCTCTCCCACTGAC 480
QY 1510 AAATGCCAAGTTCAGAAAAATGATCAATATTTAGCATATAACAGAGCAGTCGGGACAC 1569
Db 481 AAATGCCAAGTTCAGAAAAATGATCAATATTTAGCATATAACAGAGCAGTCGGGACAC 1569
QY 1570 C 1570
Db 541 C 541

RESULT 10
US-09-621-976-16031
; Sequence 16031, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 16031
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-16031

Query Match 4.2%; Score 69; DB 4; Length 332;
Best Local Similarity 67.9%; Pred. No. 4e-08;
Matches 93; Conservative 2; Mismatches 42; Indels 0; Gaps 0;
QY 1522 TGAGAAATGATCATATAATTTTAGCATATAACAGAGCAGTCGGGACCCGATTTTATAA 1581
Db 193 TGRAAATAGAAAAATAATTTTCGATAGAAAAATAATAGAAAAATTTAAAAAAC 252
QY 1582 TAACTGAGCACCCTCTTTTAAACAAAAAATAAATAAATAAATAAATAAATAAATAA 1641
Db 253 AAACCAAGCCTCTCTATGAAAAAATAAATAAATAAATAAATAAATAAATAAATAA 312
QY 1642 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1658
Db 313 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 329

RESULT 11
US-09-640-173-10/c
; Sequence 10, Application US/09640173
; Patent No. 6613515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: OVARIAN TUMOR SEQUENCES AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 210121.484C2
; CURRENT APPLICATION NUMBER: US/09/640,173
; CURRENT FILING DATE: 2000-08-15

; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(396)
; OTHER INFORMATION: n = A,T,C or G
US-09-640-173-10
Query Match 4.1%; Score 67.6; DB 4; Length 396;
Best Local Similarity 84.9%; Pred. No. 9.7e-08;
Matches 73; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 1573 TTTTATAATAAATGAGCAGCCTCTTTTAAACAAAAAATAAATAAATAAATAAATAA 1632
Db 134 TTTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 75
QY 1633 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1658
Db 74 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 49

RESULT 12
US-09-713-550-10/c
; Sequence 10, Application US/09713550
; Patent No. 6617109
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.484C4
; CURRENT APPLICATION NUMBER: US/09/713,550
; CURRENT FILING DATE: 2000-11-14
; NUMBER OF SEQ ID NOS: 205
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 396
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(396)
; OTHER INFORMATION: n = A,T,C or G
US-09-713-550-10

Query Match 4.1%; Score 67.6; DB 4; Length 396;
Best Local Similarity 84.9%; Pred. No. 9.7e-08;
Matches 73; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 1573 TTTTATAATAAATGAGCAGCCTCTTTTAAACAAAAAATAAATAAATAAATAAATAA 1632
Db 134 TTTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 75
QY 1633 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1658
Db 74 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 49

RESULT 13
US-08-800-291B-1
; Sequence 1, Application US/08800291B
; Patent No. 6153740
; GENERAL INFORMATION:
; APPLICANT: J.D. Young & C.E. Cass
; TITLE OF INVENTION: CDNA ENCODING NUCLEOSIDE TRANSPORTER
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400

```

; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,291B
; FILING DATE: 13-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/499,314
; FILING DATE: 7-JULY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07254/044W01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 1:
; LENGTH: 2790 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2790
; US-08-800-291B-1

Query Match 4.0%; Score 67; DB 3; Length 2790;
Best Local Similarity 83.5%; Pred. No. 3.3e-07;
Matches 76; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1568 ACCGATTTTATAATAAAGTACGACCTTCTTTTAAACAAAAA 1627
Db 2698 ACCACTGGTGTAAATAAAGTACGACGCTTTTAAACAAAAA 2757

Qy 1628 AAAAAA 1658
Db 2758 AAAAAA 2788

RESULT 14
US-09-227-357-71
; Sequence 71, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; CURRENT FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCI/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,932
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,916
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,930
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,918
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,920
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,733
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,795
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,919
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,928
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/055,722
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,723
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,948
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,949
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,953
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,964
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; EARLIER FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 71
; LENGTH: 413
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (343)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (385)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (410)
; OTHER INFORMATION: n equals a,t,g, or c
; US-09-227-357-71

Query Match 4.0%; Score 66.6; DB 4; Length 413;
Best Local Similarity 86.7%; Pred. No. 1.8e-07;
Matches 72; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
```

```

Qy 1576 TATAATAAAGTGGACCTCTTTTAAACACAAAAA 1635
Db 318 TATACATATCTCAGTTCTTTTANAAAAA 377
Qy 1636 AAAAAAAAAAAAAAAAAAAAAA 1658
Db 378 AAAAAAAAAAAAAAAAAAAAAA 400

```

RESULT 15

```

US-09-621-976-16012
; Sequence 16012, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Wilne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.Pm
; SEQ ID NO 16012
; LENGTH: 329
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-16012

```

```

Query Match 4.0%; Score 66.2; DB 4; Length 329;
Best Local Similarity 85.1%; Pred. No. 2e-07;
Matches 74; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
Qy 1572 ATTTTATAATAAAGTGGACCTCTTTTAAACAAAAA 1631
Db 240 ATTTAAAAACCAACCGCTCATCTATGAAAAA 299

```

```

Qy 1632 AAAAAAAAAAAAAAAAAAAAAA 1658
Db 300 AAAAAAAAAAAAAAAAAAAAAA 326

```

Search completed: May 30, 2004, 02:01:08
Job time : 151 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: May 30, 2004, 02:13:55 ; Search time 420 Seconds

(without alignments)
3054.262 Million cell updates/sec

Title: US-10-063-567-60

Perfect score: 1431

Sequence: 1 MASLQILFWSIIIIIIA.....SSFFAISWALLPLSLMLK 282

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5

Ygapop 10.0 , Ygapext 0.5

Fgapext 6.0 , Fgapext 7.0

Delop 6.0 , Delext 7.0

Searched: 2960401 seqs, 2274450654 residues

Total number of hits satisfying chosen parameters: 5920602

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame+ p2n.model -DEV=xlp
-Q=/cgn2_1/USPTO.spool.p/US10063567/runat_28052004_132954_2021/app_query.fasta_1.455
-DB=Published Applications NA -QFMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bites -START=1 -END=1 -MATRIX=blosum62
-TRANS-human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US10063567@cgn_1_723@runat_28052004_132954_2021
-NCPU=6 -ICPU=3 -NO.MMAP -LARGESQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV.TIMEOUT=120 -WARN.TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA:

1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:
9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:
13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:
14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:
15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:
16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:
17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
------------	-------	-------	--------	-------	-------------

	1	1431	100.0	849	9	US-09-915-789A-6	Sequence 6, Appli
	2	1431	100.0	1065	9	US-09-877-065-5	Sequence 5, Appli
	3	1431	100.0	1658	9	US-09-989-722-290	Sequence 290, App
	4	1431	100.0	1658	9	US-09-989-723-290	Sequence 290, App
	5	1431	100.0	1658	9	US-09-989-279-290	Sequence 290, App
	6	1431	100.0	1658	9	US-09-989-727-290	Sequence 290, App
	7	1431	100.0	1658	9	US-09-989-731-290	Sequence 290, App
	8	1431	100.0	1658	9	US-09-989-732-290	Sequence 290, App
	9	1431	100.0	1658	9	US-09-991-073-290	Sequence 290, App
	10	1431	100.0	1658	9	US-09-980-442-290	Sequence 290, App
	11	1431	100.0	1658	9	US-09-991-163-290	Sequence 290, App
	12	1431	100.0	1658	9	US-09-993-604-290	Sequence 290, App
	13	1431	100.0	1658	9	US-09-990-456-290	Sequence 290, App
	14	1431	100.0	1658	9	US-09-989-721-290	Sequence 290, App
	15	1431	100.0	1658	9	US-09-992-598-290	Sequence 290, App
	16	1431	100.0	1658	9	US-09-989-233A-290	Sequence 290, App
	17	1431	100.0	1658	9	US-09-989-735-290	Sequence 290, App
	18	1431	100.0	1658	9	US-09-989-444-290	Sequence 290, App
	19	1431	100.0	1658	9	US-09-991-181-290	Sequence 290, App
	20	1431	100.0	1658	9	US-09-989-730-290	Sequence 290, App
	21	1431	100.0	1658	9	US-09-990-436-290	Sequence 290, App
	22	1431	100.0	1658	9	US-09-993-687-290	Sequence 290, App
	23	1431	100.0	1658	10	US-09-989-734-290	Sequence 290, App
	24	1431	100.0	1658	10	US-09-997-653-290	Sequence 290, App
	25	1431	100.0	1658	10	US-09-993-667-290	Sequence 290, App
	26	1431	100.0	1658	10	US-09-997-428-290	Sequence 290, App
	27	1431	100.0	1658	10	US-09-997-666-290	Sequence 290, App
	28	1431	100.0	1658	10	US-09-990-438-290	Sequence 290, App
	29	1431	100.0	1658	10	US-09-990-562-290	Sequence 290, App
	30	1431	100.0	1658	10	US-09-990-711-290	Sequence 290, App
	31	1431	100.0	1658	10	US-09-989-726-290	Sequence 290, App
	32	1431	100.0	1658	10	US-09-998-156-290	Sequence 290, App
	33	1431	100.0	1658	10	US-09-990-437-290	Sequence 290, App
	34	1431	100.0	1658	10	US-09-991-157-290	Sequence 290, App
	35	1431	100.0	1658	10	US-09-997-514-290	Sequence 290, App
	36	1431	100.0	1658	10	US-09-997-573-290	Sequence 290, App
	37	1431	100.0	1658	10	US-09-991-172-290	Sequence 290, App
	38	1431	100.0	1658	10	US-09-990-726-290	Sequence 290, App
	39	1431	100.0	1658	10	US-09-997-559-290	Sequence 290, App
	40	1431	100.0	1658	10	US-09-997-601-290	Sequence 290, App
	41	1431	100.0	1658	10	US-09-990-443-290	Sequence 290, App
	42	1431	100.0	1658	10	US-09-929-769-4	Sequence 4, Appli
	43	1431	100.0	1658	10	US-09-991-854-290	Sequence 290, App
	44	1431	100.0	1658	10	US-09-997-628-290	Sequence 290, App
	45	1431	100.0	1658	10	US-09-997-683-290	Sequence 290, App

ALIGNMENTS

RESULT 1
US-09-915-789A-6
; Sequence 6: Application US/09515789A
; Patent No. US20020168762A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Lieping
; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
; TITLE OF INVENTION: MOLECULES
; FILE REFERENCE: 07039-219001
; CURRENT APPLICATION NUMBER: US/09/915,789A
; CURRENT FILING DATE: 2002-06-04
; PRIOR FILING DATE: 2000-07-27
; PRIOR FILING DATE: 2000-07-27
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 849
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-915-789A-6

Alignment Scores: 1.7e-172 Length: 849
Pred. No.: 1.7e-172

Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-915-789A-6 (1-849)

Qy 1 MetAlaSerLeuGluGlnIleLeuPheTrpSerIleIleSerIleIleIleIleLeuAla 20
Db 1 ATGGCTTCCCTGGGCGAGATCCTCTTCTGGAGCATAATTAGCATCATATTATCTGGCT 60
Qy 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
Db 61 GGAGCAATTTGCATCATATTGGCTTTGGTATTTTTCAGGGAGACACTCCATCAGCTCACT 120
Qy 41 ThrValAlaSerAlaGlyAlaGlnIleGlyLeuAspGlyIleLeuSerCysThrPheGluPro 60
Db 121 ACTGTCGCTCAGCTGGGAGCATTTGGGAGGATGGATCCTGAGCTGCACCTTTGAACCT 180
Qy 61 AspIleLeuSerAspIleValIleGlnTrpLeuIleGlyValLeuGlyLeuVal 80
Db 181 GACATCAAACTTTCTGATATCOTGATACAAATGGCTGAAGGAGGTGTTTAGGCTTGCTC 240
Qy 81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 241 CATGATTTCAAGAAGGCAAGATGAGCTGTTCGGAGCAGGATGAATGTTTCAGAGCGCG 300
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAlaSerLeuArgLeuLysAsnVal 120
Db 301 ACAGCAGTGTTCGTGATCAAGTGTAGTGGCAATGCTCTTTGGCGCTGAAAAGCGTG 360
Qy 121 GlnLeuThrAspAlaGlyThrTyrosCysTyrlleIleThrSerLysGlyLysGlyAsn 140
Db 361 CAACTCACAGATGCTGGCACCTTACAAATGTTATATCATCTTTCTAAGGCGAGGGAAT 420
Qy 141 AlaAsnLeuGluTyrlleThrGlyAlaPheSerMetProGluValAsnValAspTyAsn 160
Db 421 GCTAACCTTGATATAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGCATATAAT 480
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
Db 481 GCCAGCTCAGAGACCTTGGCGGTGAGGCTCCCGATGGTTTCCCGCCAGCCACAGTGGTC 540
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 541 TGGGCATCCCAAGTTGACCGAGGAGCCAACTTCTCGGAAGTCTCCAATACCAGCTTTGAG 600
Qy 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrlleAsnValThrIleAsn 220
Db 601 CTGAACCTCTGAATGTGACCATGAAGTGTGTCTGTGCTCTCAATGTTTACCATCAAC 660
Qy 221 AsnThrTyrlleSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
Db 661 AACACATCTCTGTATGATTGAAATGCATTTGCCAAGCAACAGGGGATATCAAGTG 720
Qy 241 ThrGluSerGluIleLysArgArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260
Db 721 ACAGAACTCGAGATCAAAAGGCGGAGTCAACCTACAGCTGTCTTAAACTCAAAGGCTTCTCTG 780
Qy 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrlleMet 280
Db 781 TGTGTCTCTTCTTTCTTTGGCCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 840
Qy 281 LeuLys 282
Db 841 CTAATAA 846

RESULT 2

US-09-877-065-5

; Sequence 5, Application US/0987065

; Patent No. US20020051990A1

; GENERAL INFORMATION:

; APPLICANT: OPLE, ERIC
; APPLICANT: MCLACHLAN, KAREN
; APPLICANT: HEARD, CHERYL J.
; TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
; FILE REFERENCE: 037003-0280631
; CURRENT APPLICATION NUMBER: US/09/877,065
; PRIOR FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 60/210,451
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1065
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-877-065-5

Alignment Scores:

Pred. No.: 2,46e-172 Length: 1065
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-877-065-5 (1-1065)

Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleIleLeuAla 20
Db 72 ATGGCTTCCCTGGGCGAGATCCTCTTCTGGAGCATAATTAGCATCATATTATCTGGCT 131
Qy 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
Db 132 GGAGCAATTTGCATCATATTGGCTTTGGTATTTTTCAGGGAGACACTCCATCAGCTCACT 191
Qy 41 ThrValAlaSerAlaGlyAlaGlnIleGlyLeuAspGlyIleLeuSerCysThrPheGluPro 60
Db 192 ACTGTCGCTCAGCTGGGAGCATTTGGGAGGATGGATCCTGAGCTGCACCTTTGAACCT 251
Qy 61 AspIleLeuSerAspIleValIleGlnTrpLeuIleGlyValLeuGlyLeuVal 80
Db 252 GACATCAAACTTTCTGATATCOTGATACAAATGGCTGAAGGAGGTGTTTAGGCTTGCTC 311
Qy 81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 312 CATGAGTTCAAGAAGGCAAGATGAGCTGTTCGGAGCAGGATGAATGTTTCAGAGCGCG 371
Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAlaSerLeuArgLeuLysAsnVal 120
Db 372 ACAGCAGTGTTCGTGATCAAGTGTAGTGGCAATGCTCTTTCGGCGCTGAAAAGCGTG 431
Qy 121 GlnLeuThrAspAlaGlyThrTyrosCysTyrlleIleThrSerLysGlyLysGlyAsn 140
Db 432 CAACTCACAGATGCTGGCACCTTACAAATGTTATATCATCATCTTCTTAAAGGCAAGGGAAT 491
Qy 141 AlaAsnLeuGluTyrlleThrGlyAlaPheSerMetProGluValAsnValAspTyrlleAsn 160
Db 492 GCTAACCTTTGAGTATAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGAGCTATTAAT 551
Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
Db 552 GCCAGCTCAGAGACCTTGGCGGTGTGGGCTCCCGATGGTTCCCGCCAGCCACAGTGGTC 611
Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 612 TGGGCATCCCAAGTTGACCGAGGAGCCAACTTCTCGGAAGTCTCCAATACCAGCTTTGAG 671
Qy 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrlleAsnValThrIleAsn 220
Db 672 CTGAACCTCTGAGATGTGACCATGAAGTGTGTGCTGTGCTCTACATGTTACGATCAAC 731
Qy 221 AsnThrTyrlleSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240

;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.: 5.08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-989-722-290 (1-1658)

QY 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleLeuSerIleLeuAla 20
Db 61 ATGGCTTCCCTGGGGCAGATCCTCTCTGGAGCATAATTAGCATCATCATATTCTGCT 120

QY 21 GlyAlaIleAlaLeuIleIleGlyPheGlyLeuSerGlyArgHisSerIleThrValThr 40
Db 121 GGAGCAATTGCACATCATCTGGCTTTGGTATTTCAGGAGACACTCCATCAGTCACT 180

QY 41 ThrValAlaSerAlaGlyAsnIleGlyAspGlyIleLeuSerCysThrPheGluPro 60
Db 181 ACTGTGCGCTCAGCTGGGACATTTGGGAGGATGGAATCCTGAGCTGACATTTTGAACCT 240

QY 61 AspIleLysLeuSerAspIleValIleGlnTrpLeuLysGlyValLeuGlyLeuVal 80
Db 241 GACATCAAACTTTCTGATATCGTATACATGGCTGAAAGGAGGTGTTTTAGGCTTGTC 300

QY 81 HisGluPheLysGlyGlyAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 301 CATGAGTTCAAGAGAGGCAAGATGAGCTGTGGAGCAGGATGAATCTTCAGAGCGCG 360

QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
Db 361 ACAGCAGTGTCTGCTGATCACTGATAGTGGCAATGCTCTTTGCGGCTGAAAACGTG 420

QY 121 GlnLeuThrAspAlaGlyThrTyrlsCysTyrlleIleThrSerLysGlyLysAsn 140
Db 421 CAACTCAGAGTGTGGACCTACAAATGTTATATATCATCACTTCTAAAGGCAAGGGAAT 480

QY 141 AlaAsnLeuGluTyrlsThrGlyAlaPheSerMetProGluValAsnValAspTyrls 160
Db 481 GCTAACCTTGAGTATAAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGGACTATAAT 540

QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTTPPheProGlnProThrValVal 180
Db 541 GCCAGCTCAGAGACCTTGGGTTGAGGCTCCCGATGGTTCCCGACGCCACAGTGGTC 600

QY 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 601 TGCGCATCCCAAGTTGACCAGGGAGGCCAACTTCTCGAAGTCTCCAATACCACTTTGAG 660

QY 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrlsAsnValThrIleAsn 220
Db 661 CTGAACCTGAGAAATGTGACCATGAAGTTGTGTCTGTCTCTTACAAUUTTACGATCAAC 720

QY 221 AsnThrTyrlsSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
Db 721 AACACATCTCTCTGTATGATTGAAATGACATTTGCCAAAGCAACAGGGGATATCAAGTG 780

QY 241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260
Db 781 ACAGAAATCGAGATCAAAAGGGAGTCACTACAGTCTGCTCTTAACTCAAGGCTTCTCTG 840

QY 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrlsMet 280
Db 841 TGTGTCT 900

QY 281 LeuLys 282
Db 901 CTAAAA 906

RESULT 4
US-09-989-723-290
; Sequence 290, Application US/09989723
; Patent No. US20020072092A1

GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Guiney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C62
CURRENT APPLICATION NUMBER: US/09/989,723
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24

181 ACTGTGCGCTCAGCTGGGACATTGGGAGGATGGAATCCTGAGCTGCATTTTGAACCT 240
61 AspileLysLeuSerAspileValIleGlnTrpLeuLysGluGlyValLeuGlyLeuVal 80
241 GACATCAAACTTTTCTGATATCGTATACAAATGGCTGAAGGAGGTGTTTTAGGCTTGGTC 300
81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
301 CATGAGTTCAAAGAGGCAAGATGAGCTGTGGAGCAGGATGAATGTTTCAGAGCCCG 360
101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
361 ACAGCAGTGTGTTGCTGATCAAGTGATAGTTGGCAATGCTCTTTGCGGTGAAAAACGTC 420
121 GlnLeuThrAspAlaGlyThrTrpLysCysTrpLysIleLeuThrSerLysGlyLysAsn 140
421 CCACTCACAGATGCTGGCACCTACAAATGTTATATATCATCATCTTCTAAGGCAAGGGGAT 480
141 AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTrpAsn 160
481 GCTAACCTTTGAGTATATAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGGACTATAAT 540
161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
541 GCCAGCTCAGAGACCTTGGCGTGTGAGGCTCCCGATGGTTCCCGCAGCCACAGTGGTC 600
181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
601 TGGGCATCCCAAGTTGACCCAGGAGGCAACTTCTGGGAAGTCTCCAATACCAGCTTTGAG 660
201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTrpAsnValThrIleAsn 220
661 CTGAACCTCTGAGAATGTGACCATGAAGTGTGTCTGTCTCTACAAATGTACGATCAAC 720
221 AsnThrTrpSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
721 AACACATATCTCTGTATGATTGAAATGACATGCCAAGCAACAGGGGATATCAAGTG 780
241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260
781 ACAGAAATCGAGATCAAAAGGCGAGTCACCTACAGCTGCTAAACTCAAGGCTTCTCTG 840
261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTrpLeuMet 280
841 TGTGTCCTCTCTTCTTCTTGGCCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900
281 LeuLys 282
901 CTAATA 906

RESULT 5
US-09-989-279-290
; Sequence 290, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gernitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavir, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Pacini, Nicholas F.
; APPLICANT: Roy, Margaret Ann

1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
61 ATGGCTTCCCTGGGGCAGATCCCTCTCTGGAGCATTAATAGCATATCATATTCTGGCT 120
21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
121 GAGAGCAATTCACATCATCTGCTTGGTTTTCAGGGAGACATCCCATCAGCTCACT 180
41 ThrValAlaSerLacIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60

Alignment Scores:
Pred. No.: 5,08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-989-723-290 (1-1658)

APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C56
CURRENT APPLICATION NUMBER: US/09/989,279
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676

DB 481 GCTAACCTTGGATATAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGGACTATAAT 540
QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTTPpPheProGlnProThrValVal 180
DB 541 GCCAGCTCAGAGACCTTCGGTGTGAGGCTCCCGATGGTTCGCCAGCCACAGTGTGTC 600
QY 181 TTPAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
DB 601 TGGGCATCCCAAGTTGACAGGGACCACTTCCTCGAAGTCTCCAATACCAAGCTTTGAG 660
QY 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuValThrLeuValThrLeu 220
DB 661 CTGAACCTCTGAGAAATGTGACCATGAAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 720
QY 221 AsnThrTyrSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
DB 721 AACACATATCTCTGTATGATTGAAATGACATTGCCAAGGCAACAGGGGATATCAAGTG 780
QY 241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260
DB 781 ACAGAATCGGAGATCAAAAGCGGAGTCACCTACAGCTGTCTAAATCTCAAGGCTTCTGTG 840
QY 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet 280
DB 841 TGTGTCT 900

RESULT 6
US-09-989-727-290
; Sequence 290, Application US/09989727
; Patent No. US20020072497A1

GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC65
CURRENT APPLICATION NUMBER: US/09/989,727
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13

PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Alignment Scores:
Pred. No.: 5,08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-989-279-290 (1-1658)

QY 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleLeuSerIleLeuLeuAla 20
DB 61 ATGGCTTCCCTGGGAGCATCTCTCTGGAGCATATTAGCATCATATTCTGGCT 120
QY 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
DB 121 GGAGCAATTGCACATCATCTGGCTTTGGTATTTTCAGGAGACACTCCATCAGTCACT 180
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
DB 181 ACTGCGCTCAGCTGGGAACATTGGGAGGATGGATCTTCGAGCTGCATCTTTGAACCT 240
QY 61 AspIleLysLeuSerAspIleValIleGlnTrpLeuLysGluGlyValLeuGlyLeuVal 80
DB 241 GACATCAAACTTCTGATATCCTGATACATGAGTGGCTGAAGAGGTGTTTAGGCTTGTC 300
QY 81 HisGluPheLysGluGlyLysAspGlnLeuSerGluGlnAspGluMetPheArgGlyArg 100
DB 301 CATGAGTTCAAGAGGCAAGGATGAGCTGTCGAGCAGGATGAATGTTTCAGAGGCGGG 360
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
DB 361 ACAGCAGTGTGTTGCTGATCATAGTATAGTTGCAATGCTCTTTGGCGCTGAAAAACGTG 420
QY 121 GlnLeuThrAspAlaGlyThrTyrLysCysTrpIleIleThrSerLysGlyLysGlyAsn 140
DB 421 CAATCAGAGTGTGGCAGCTCAAAATGTTATATCATCTCTTAAGGCAAGGGAAT 480
QY 141 AlaAsnLeuGluTyrLysThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn 160

1	PRIOR FILING DATE: 1998-06-17	
2	PRIOR APPLICATION NUMBER: 60/089538	
3	PRIOR FILING DATE: 1998-06-17	
4	PRIOR APPLICATION NUMBER: 60/089538	
5	PRIOR FILING DATE: 1998-06-17	
6	PRIOR APPLICATION NUMBER: 60/089539	
7	PRIOR FILING DATE: 1998-06-17	
8	PRIOR APPLICATION NUMBER: 60/089539	
9	PRIOR FILING DATE: 1998-06-17	
10	PRIOR APPLICATION NUMBER: 60/089600	
11	PRIOR FILING DATE: 1998-06-17	
12	PRIOR APPLICATION NUMBER: 60/089653	
13	PRIOR FILING DATE: 1998-06-17	
14	PRIOR APPLICATION NUMBER: 60/089801	
15	PRIOR FILING DATE: 1998-06-18	
16	PRIOR APPLICATION NUMBER: 60/089907	
17	PRIOR FILING DATE: 1998-06-18	
18	PRIOR APPLICATION NUMBER: 60/089908	
19	PRIOR FILING DATE: 1998-06-18	
20	PRIOR APPLICATION NUMBER: 60/089947	
21	PRIOR FILING DATE: 1998-06-19	
22	PRIOR APPLICATION NUMBER: 60/089948	
23	PRIOR FILING DATE: 1998-06-19	
24	PRIOR APPLICATION NUMBER: 60/089952	
25	PRIOR FILING DATE: 1998-06-19	
26	PRIOR APPLICATION NUMBER: 60/090246	
27	PRIOR FILING DATE: 1998-06-22	
28	PRIOR APPLICATION NUMBER: 60/090252	
29	PRIOR FILING DATE: 1998-06-22	
30	PRIOR APPLICATION NUMBER: 60/090254	
31	PRIOR FILING DATE: 1998-06-22	
32	PRIOR APPLICATION NUMBER: 60/090349	
33	PRIOR FILING DATE: 1998-06-23	
34	PRIOR APPLICATION NUMBER: 60/090355	
35	PRIOR FILING DATE: 1998-06-23	
36	PRIOR APPLICATION NUMBER: 60/090429	
37	PRIOR FILING DATE: 1998-06-24	
38	PRIOR APPLICATION NUMBER: 60/090431	
39	PRIOR FILING DATE: 1998-06-24	
40	PRIOR APPLICATION NUMBER: 60/090435	
41	PRIOR FILING DATE: 1998-06-24	
42	PRIOR APPLICATION NUMBER: 60/090444	
43	PRIOR FILING DATE: 1998-06-24	
44	PRIOR APPLICATION NUMBER: 60/090445	
45	PRIOR FILING DATE: 1998-06-24	
46	PRIOR APPLICATION NUMBER: 60/090472	
47	PRIOR FILING DATE: 1998-06-24	
48	PRIOR APPLICATION NUMBER: 60/090535	
49	PRIOR FILING DATE: 1998-06-24	
50	PRIOR APPLICATION NUMBER: 60/090540	
51	PRIOR FILING DATE: 1998-06-24	
52	PRIOR APPLICATION NUMBER: 60/090542	
53	PRIOR FILING DATE: 1998-06-24	
54	PRIOR APPLICATION NUMBER: 60/090557	
55	PRIOR FILING DATE: 1998-06-24	
56	PRIOR APPLICATION NUMBER: 60/090676	
57	PRIOR FILING DATE: 1998-06-25	
58	PRIOR APPLICATION NUMBER: 60/090695	
59	PRIOR FILING DATE: 1998-06-25	
60	PRIOR APPLICATION NUMBER: 60/090696	
61	PRIOR FILING DATE: 1998-06-25	
62	PRIOR APPLICATION NUMBER: 60/090699	
63	PRIOR FILING DATE: 1998-06-25	
64	PRIOR APPLICATION NUMBER: 60/090699	
65	PRIOR FILING DATE: 1998-06-25	
66	PRIOR APPLICATION NUMBER: 60/090696	
67	PRIOR FILING DATE: 1998-06-25	
68	PRIOR APPLICATION NUMBER: 60/090696	
69	PRIOR FILING DATE: 1998-06-25	
70	PRIOR APPLICATION NUMBER: 60/090696	
71	PRIOR FILING DATE: 1998-07-01	
72	PRIOR APPLICATION NUMBER: 60/091478	
73	PRIOR FILING DATE: 1998-07-02	

```

; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Alignment Scores:
Pred. No.: 5,08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-989-727-290 (1-1658)

QY 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
Db 61 ATGGCTTCCCTGGGCGAGATCTCTCTGGAGCATATTAGCATCATATTATTCGGCT 120
QY 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
Db 121 GGAGCAATTGCATCATCATTTGGTATTGGTATTTTCAGGAGACACTCCATCAGATCACT 180
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
Db 181 ACTGTCGCTCAGCTGGGAGCAATTTGGGAGATGGATCTCTGAGTCGACTTTTGAACCT 240
QY 61 AspleIysLeuSerAspIleValIleGlnTrpLeuIysGluGlyValLeuGlyLeuVal 80
Db 241 GACATCAAACTTTCTGATATCGTGATACAAATGGTGAAGGAGTGTTTTAGCGTTGGTC 300
QY 81 HisGluPheIysGluGlyValAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 301 CATGAGTTCAAGAGGCAAGATGAGCTGTCGAGAGCGAGTGAATGTTTCAGAGGCGG 360
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuIysAsnVal 120
Db 361 ACAGCAGTGTTCCTGATCAAGTGATAGTTCGCAATGCTCTTTCGCGCTGAAAAAGCTG 420
QY 121 GlnLeuThrAspAlaGlyThrTyrlsCysTyrlleIleThrSerIysGlyIysGlyAsn 140
Db 421 CAACTCAGATGCTGGCCACCTTACAAATGTTATATCATCTTTCTTAAGGCGAGGGAAT 480
QY 141 AlaAsnLeuGluTyrlsThrGlyAlaPheSerMetProGluValAsnValAspTyrlAsn 160
Db 481 GCTAACCTTGAGTATAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGACTATAAT 540
QY 161 AlaSerSerGluThrIleuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
Db 541 GCAGCTCAGAGACTTCGGGTGTGAGCTCCCGATGGTTCGCCCGCCACACAGTGGTC 600
QY 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 601 TGGGCATCCCAAGTTGACAGGAGGCAACTCTCTCGAAGTCTCCCAATACCAGCTTTGAG 660
QY 201 LeuAsnSerGluAsnValThrMetIysValValSerValLeuTyrlAsnValThrIleAsn 220
Db 661 CTGAACCTCTGAGAATGTGACCATGAAGTGTGTCTGTGCTCTACAAATGTTACGATCAAC 720
QY 221 AsnThrTyrlSerCysMetIleGluAsnAspIleAlaIysAlaThrGlyAspIleIysVal 240
Db 721 AACACATACTCTCTGTATGATTGAATGCAATGACATTGCCAAGCAACAGGGGATATCAAGTG 780
```

RESULT 7

```

US-09-989-731-290
; Sequence 290, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC70
; CURRENT APPLICATION NUMBER: US/09/989,731
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
```

```

QY 241 ThrGluSerGluIleIysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260
Db 781 ACAAGATCGGAGATCAAAAGCGGAGTCACCTCAGCTGCTAACTCAAGGCTTCTCTG 840
QY 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrlLeuMet 280
Db 841 TGTGTCTCTTCTTTCTTGCCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900
QY 281 LeuIys 282
Db 901 CTAATAA 906
```

PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.:	5.08e-172	Length:	1658
Score:	1431.00	Matches:	282
Percent Similarity:	100.00%	Conservative:	0


```

; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435

; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Alignment Scores:
Pred. No.:      5,08e-172      Length:      1658
Score:          1431.00      Matches:      282
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:      100.00%      Indels:      0
DB:              9          Gaps:        0

US-10-063-567-60 (1-282) x US-09-989-732-290 (1-1658)
QY      1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
Db      61 ATGGCTTCCCTGGGGCAGATCCTCTTGGAGCATAATTAGCATCATCATTTCTGGCT 120
QY      21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
Db      121 GGAGCAATTCACATCATCATTTGGCTTTGGTATTTCAGGAGACACTCATCATCAGTCACT 180
QY      41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
Db      181 ACTGTCCCTCAGCTGGGAACATTGGGAGGATGCAATCCTGAGCTGACATTTTGAACCT 240
QY      61 AspIleIysLeuSerAspIleValIleGlnTrpLeuIysGluGlyValLeuGlyLeuVal 80
```

Db 241 GACATCAAACTTTCTGATATCGTGATCAATGCTGAAGAAAGTGTITTAGGCTTGGTC 300
QY 81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 301 CATGAGTTCAAGAAGCAAGATGAGCTGTGCGAGCAGGATGAATGTTTCAGAGCCGG 360
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
Db 361 ACACGATGTTTGTGATCAAGTATGATGTTGGCAATGCCCTTTTGGCGCTGAAGAAACGGT 420
QY 121 GlnLeuThrAspAlaGlyThrTyLysCysTyrllelleThrSerLysGlyLysGlyAsn 140
Db 421 CAATCACAGATGCTGCCACCTCAATATATATCATCATCTTCTAAAGCAAGGGGAAT 480
QY 141 AlaAsnLeuGluThrLysThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn 160
Db 481 GCTAACCTTGATATAAACTGGAGCCTTCAGCATGCCGAAGTGAATGTGGACTATAAT 540
QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTyrPheProGlnProThrValVal 180
Db 541 GCCAGCTCAGACACTTGGCGTGTAGGCTCCCGATGGTTCCCGCAGCCACAGTGTGTC 600
QY 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 601 TGGGCATCCCAAGTTGACAGGAGGCCAACTTCTCGGAAGTCTCCAAATACCGCTTTGAG 660
QY 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrAsnValThrIleAsn 220
Db 661 CTGAACCTTGAGATGTGACCATGAGGTGTGTGTCTGTCTTACATGTTACGATCAAC 720
QY 221 AsnThrTySerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
Db 721 AACACATCTCTGTATGATTGAAAATGACATTCGCAAGTCTCCAAATACCGCTTTGAG 780
QY 241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260
Db 781 ACAGAATCGGAGATCAAAAGCGGAGTCACTACAGTGTCTTAACTCAAGGCTTCTCTG 840
QY 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet 280
Db 841 TGTGTCTCTTCTTCTTCTTCCCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900
QY 281 LeuLys 282
Db 901 CTAAAA 906

RESULT 9

US-09-991-073-290

; Sequence 290, Application US/09991073

; Patent No. US20020127576A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kijaviri, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas P.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC15
; CURRENT APPLICATION NUMBER: US/09/991,073
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826

```

; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090252
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090429
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090445
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090535
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090676
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090678
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/090863
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Alignment Scores:
Pred. No.: 5,08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-991-073-290 (1-1658)

QY 1 MetalaserLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleIleVala 20
Db 61 ATGGCTTCCCTGGGGCAGATCTCTCTGGAGCATATTACATCATCATATTCTGGCT 120
QY 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
Db 121 GGAGCAATTGCACATCATATTGGCTTTGGTATTTCAGGGAGACACTCCATCACAGTCACT 180
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
Db 181 ACTGTGGCTCAGCTGGGAACATTGGGAGGAGTGGATCTCTGAGCTGCACATTTGAACCT 240
QY 61 AspileLysLeuSerAspileValIleGlnTrpLeuLysGluGlyValLeuGlyLeuVal 80
Db 241 GACATCAAACTTTCTGATATCGTGATACATGGCTGAAGAGGAGTGTATTAGGCTTGTC 300
QY 81 HisGluPheLysGluGlyAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 301 CATGAGTTCAAAGAAGGCAAGATGAGCTGTGGAGCAGAGATGAATGTTTCAGAGCCGG 360
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
Db 361 ACAGCAGTGTGTTCGTGATCAAGTGATAGTTGGCAATGCTCTTTGGGCTGAAAAACGTG 420
QY 121 GlnLeuThrAspAlaGlyThrTyrlsCysTyrlleIleIleThrSerLysGlyValAsn 140
Db 421 CAACTCACAGATGCTGGCACCTTACAAATGTTATATCATCATCTTCTAAAGGCNAGGGGAT 480
QY 141 AlaAsnLeuGluTyrlsThrGlyAlaPheSerMetProGluValAsnValAspTyrlAsn 160
Db 481 GCTAACCTTGAGTATAAACTGGAGCTTCAGCATGCCGGAAGTGAATGTGGACTATAAT 540
```

161	AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal	180
541	GCCAGCTCAGAGACCTTGCCTGTGTAGAGCTCCCGCATGGTTCCCCAGGCCACAGTGGTC	600
181	TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu	200
601	TGGGCATCCCAAGTTGACCGAGGCCACTTCTCGAAGTCTCCCAATACCAAGCTTTGAG	660
201	LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrAsnValThrIleAsn	220
661	CTGAACCTCTGAGAATGTGACCATGAGGTTGTGTCTGTCTCTACAAATGTTACGATCAAC	720
221	AsnThrTyrSerCysMetIleGluAsnAspIleAlaIysAlaThrGlyAspIleLysVal	240
721	AACACATACCTCTGTATGATTTGAATAATGACATTGCCAAGCAACACGGGATATCAAGTG	780
241	ThrGluSerGluIleLysArgSerHisLeuGlnLeuAsnSerLysAlaSerLeu	260
781	ACAGAATCGAGATCAAAAGSCGGAGTCACCTACAGCTGCTAAACTCAAAAGCTTCTCTG	840
261	CysValSerSerPhePheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet	280
841	TGTGTCTCTCTCTCTCTTTTGGCCATCAGCTGGGCACCTCTGCTCTCAGCCCTTACCTGATG	900
281	LeuLys 282	
901	CTAAAA 906	
RESULT 10		
US-09-990-442-290		
; Sequence 290, Application US/09990442		
; Patent No. US20020132252A1		
; GENERAL INFORMATION:		
; APPLICANT: Ashkenazi, Avi J.		
; APPLICANT: Baker, Kevin P.		
; APPLICANT: Botstein, David		
; APPLICANT: Desnoyers, Luc		
; APPLICANT: Eaton, Dan L.		
; APPLICANT: Ferrara, Napoleone		
; APPLICANT: Fong, Sherman		
; APPLICANT: Gerber, Hanspeter		
; APPLICANT: Gerritsen, Mary E.		
; APPLICANT: Goddard, Audrey		
; APPLICANT: Godowski, Paul J.		
; APPLICANT: Grimaldi, J. Christopher		
; APPLICANT: Gurney, Austin L.		
; APPLICANT: Kljavin, Ivar J.		
; APPLICANT: Napier, Mary A.		
; APPLICANT: Pan, James		
; APPLICANT: Paoni, Nicholas F.		
; APPLICANT: Roy, Margaret Ann		
; APPLICANT: Stewart, Timothy A.		
; APPLICANT: Tumas, Daniel		
; APPLICANT: Watanabe, Colin K.		
; APPLICANT: Williams, P. Mickey		
; APPLICANT: Wood, William I.		
; APPLICANT: Zhang, Zemin		
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic		
; TITLE OF INVENTION: Acids Encoding the Same		
; FILE REFERENCE: P2730Pic8		
; CURRENT APPLICATION NUMBER: US/09/990,442		
; CURRENT FILING DATE: 2001-11-14		
; PRIOR APPLICATION NUMBER: 60/049787		
; PRIOR FILING DATE: 1997-06-16		
; PRIOR APPLICATION NUMBER: 60/062250		
; PRIOR FILING DATE: 1997-10-17		
; PRIOR APPLICATION NUMBER: 60/065186		
; PRIOR FILING DATE: 1997-11-12		
; PRIOR APPLICATION NUMBER: 60/065311		
; PRIOR FILING DATE: 1997-11-13		
; PRIOR APPLICATION NUMBER: 60/066770		
; PRIOR FILING DATE: 1997-11-24		
; PRIOR APPLICATION NUMBER: 60/075945		

;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089599
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089600
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089801
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089907
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089908
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519

;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.: 5.08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-990-442-290 (1-1658)

QY 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleSerIleIleLeuAla 20
DB 61 ATGGCTTCCCTGGGCGAGATCCTCTCTGGAGCATATTAGCATCATATTCTGGCT 120
QY 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
DB 121 GGAGCAATGGCATCATCATCTGGCTTTGGTATTTCAGGGAGACATCTCATCAGTCACT 180
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
DB 181 ACTGTGCGCTCAGCTGGGAGCATTTGGAGATGGAATCTCTAGCTGACCTTTTGAACCT 240
QY 61 AspIleIleLeuSerAspIleValIleGlnTrpLeuIleGlyValLeuGlyLeuVal 80
DB 241 GACATCAAACTTTCTGATATCGTATCAATGGCTGAAGAGTGTATTTAGGCTTGGTC 300
QY 81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
DB 301 CATGAGTTCAAAGAGGCAAGATGAGCTGTGCGAGCAGGATGAATGTTTCAGAGGCGG 360
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerIleuArgLeuVal 120
DB 361 ACAGCAGTGTGTGTGATCAAGTGTAGTGGCAATGCTCTTTGCGGCTGAAACAGTG 420
QY 121 GlnLeuThrAspAlaGlyThrTyLysCysTyIleIleThrSerLysGlyLysGlyAsn 140
DB 421 CAACCTCACAGATGCTGGCACCTACAAATGTTATATCATCACTTCTAAAGGCAAGGGAAT 480
QY 141 AlaAsnLeuGluTyLysThrGlyAlaPheSerMetProGluValAsnValAspTyAsn 160
DB 481 GCTAACCTTGAGTATAAACTGGAGCCTTCAGCATGCGGAGTGAATGTGACTATAAT 540
QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
DB 541 GCCAGCTCAGAGACCTTCGGTGTGAGGCTCCCGATGGTTCCCGCCAGCCACAGTGGTC 600
QY 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
DB 601 TGGGCATCCCAAGTTGACCCAGGAGCCAACTTCGGAAGTCTCCAAATACCAGCTTTGAG 660
QY 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyAsnValThrIleAsn 220
DB 661 CTGAACCTTGAGATGTGACCATGAGGTTGTGCTGTGCTCTACAAATGTTACGATCAAC 720
QY 221 AsnThrTySerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
DB 721 AACACATATCTCTGTATGATTGAAATGACATTTGCAAGTTCGGAAGTCTCCAAATACCAGCTTTGAG 780
QY 241 ThrGluSerGluIleLysArgArgSerHisLeuGlnLeuLeuAsnSerIleAlaSerLeu 260
DB 781 ACAGAAATCGAGATCAAAAGGCGGAGTCACTTACAGCTGCTAAACTCAAGGCTTCTCTG 840

0
1
0
0
3

261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet 280
841 TGTGTCTCTCTCTTTGTCATCAGCTGGGCACTTCTGCCTCTCAGCCCTACCTGATG 900

Qy 281 LeuLys 282
|||
901 CTAAGA 906
Db

RESULT 11
US-09-991-163-290
; Sequence 290, Application US/09991163
; Patent No. US20020132253A1

```

; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanovers, Inc.

```

APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.

; REFUGEE: Simey, Robert L.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Napier, Mary A.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas P.

; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Williams, D. Michael

; APPLICANT: Williams, F. Mickey
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same

```

; FILE REFERENCE: P2730PIC:7
; CURRENT APPLICATION NUMBER: US/09/991,163
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-12

```

/ PRIOR FILING DATE: 1997-06-16
 / PRIOR APPLICATION NUMBER: 60/062250
 / PRIOR FILING DATE: 1997-10-17
 / PRIOR APPLICATION NUMBER: 60/085186
 / PRIOR FILING DATE: 1997-11-12

```

; PRIOR APPLICATION NUMBER: 60/065311
;
; PRIOR FILING DATE: 1997-11-13
;
; PRIOR APPLICATION NUMBER: 60/065770
;
; PRIOR FILING DATE: 1997-11-24
;
; PRIOR APPLICATION NUMBER: 60/065945
;

```

```

/ PRIOR APPLICATION NUMBER: 60/075543
/ PRIOR FILING DATE: 1998-02-25
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/083322
/

```

```
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-06-29
```

```

/ PRIOR FILING DATE: 1998-05-28
/ PRIOR APPLICATION NUMBER: 60/087607
/ PRIOR FILING DATE: 1998-06-02
/ PRIOR APPLICATION NUMBER: 60/087609
/ PRIOR FILING DATE: 1998-05-02

```

```

; PRIOR APPLICATION NUMBER: 60/087759
;
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
;

```

```

; PRIOR APPLICATION NUMBER: 607088021
; PRIOR FILING DATE: 1998-06-04

```

PRIOR APPLICATION NUMBER:	60/08025
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/08026
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/08027
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/08028
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/08029
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/08030
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/08033
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/080326
PRIOR FILING DATE:	1998-06-04
PRIOR APPLICATION NUMBER:	60/08167
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/080202
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/080212
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/080217
PRIOR FILING DATE:	1998-06-05
PRIOR APPLICATION NUMBER:	60/08055
PRIOR FILING DATE:	1998-06-09
PRIOR APPLICATION NUMBER:	60/080734
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/080738
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/080826
PRIOR FILING DATE:	1998-06-10
PRIOR APPLICATION NUMBER:	60/080858
PRIOR FILING DATE:	1998-06-11
PRIOR APPLICATION NUMBER:	60/080861
PRIOR FILING DATE:	1998-06-11
PRIOR APPLICATION NUMBER:	60/080876
PRIOR FILING DATE:	1998-06-11
PRIOR APPLICATION NUMBER:	60/089105
PRIOR FILING DATE:	1998-06-12
PRIOR APPLICATION NUMBER:	60/089440
PRIOR FILING DATE:	1998-06-16
PRIOR APPLICATION NUMBER:	60/089512
PRIOR FILING DATE:	1998-06-16
PRIOR APPLICATION NUMBER:	60/089514
PRIOR FILING DATE:	1998-06-16
PRIOR APPLICATION NUMBER:	60/089532
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089538
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089598
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089599
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089600
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089653
PRIOR FILING DATE:	1998-06-17
PRIOR APPLICATION NUMBER:	60/089801
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089907
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089908
PRIOR FILING DATE:	1998-06-18
PRIOR APPLICATION NUMBER:	60/089947
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089948
PRIOR FILING DATE:	1998-06-19
PRIOR APPLICATION NUMBER:	60/089952

1	PRIOR FILING DATE: 1998-06-19	
2	PRIOR APPLICATION NUMBER: 60/090246	
3	PRIOR FILING DATE: 1998-06-22	
4	PRIOR APPLICATION NUMBER: 60/090252	
5	PRIOR FILING DATE: 1998-06-22	
6	PRIOR APPLICATION NUMBER: 60/090254	
7	PRIOR FILING DATE: 1998-06-22	
8	PRIOR APPLICATION NUMBER: 60/090349	
9	PRIOR FILING DATE: 1998-06-23	
10	PRIOR APPLICATION NUMBER: 60/090355	
11	PRIOR FILING DATE: 1998-06-23	
12	PRIOR APPLICATION NUMBER: 60/090429	
13	PRIOR FILING DATE: 1998-06-24	
14	PRIOR APPLICATION NUMBER: 60/090431	
15	PRIOR FILING DATE: 1998-06-24	
16	PRIOR APPLICATION NUMBER: 60/090435	
17	PRIOR FILING DATE: 1998-06-24	
18	PRIOR APPLICATION NUMBER: 60/090444	
19	PRIOR FILING DATE: 1998-06-24	
20	PRIOR APPLICATION NUMBER: 60/090445	
21	PRIOR FILING DATE: 1998-06-24	
22	PRIOR APPLICATION NUMBER: 60/090472	
23	PRIOR FILING DATE: 1998-06-24	
24	PRIOR APPLICATION NUMBER: 60/090535	
25	PRIOR FILING DATE: 1998-06-24	
26	PRIOR APPLICATION NUMBER: 60/090540	
27	PRIOR FILING DATE: 1998-06-24	
28	PRIOR APPLICATION NUMBER: 60/090542	
29	PRIOR FILING DATE: 1998-06-24	
30	PRIOR APPLICATION NUMBER: 60/090557	
31	PRIOR FILING DATE: 1998-06-24	
32	PRIOR APPLICATION NUMBER: 60/090676	
33	PRIOR FILING DATE: 1998-06-25	
34	PRIOR APPLICATION NUMBER: 60/090678	
35	PRIOR FILING DATE: 1998-06-25	
36	PRIOR APPLICATION NUMBER: 60/090690	
37	PRIOR FILING DATE: 1998-06-25	
38	PRIOR APPLICATION NUMBER: 60/090694	
39	PRIOR FILING DATE: 1998-06-25	
40	PRIOR APPLICATION NUMBER: 60/090695	
41	PRIOR FILING DATE: 1998-06-25	
42	PRIOR APPLICATION NUMBER: 60/090696	
43	PRIOR FILING DATE: 1998-06-25	
44	PRIOR APPLICATION NUMBER: 60/090862	
45	PRIOR FILING DATE: 1998-06-26	
46	PRIOR APPLICATION NUMBER: 60/090863	
47	PRIOR FILING DATE: 1998-06-26	
48	PRIOR APPLICATION NUMBER: 60/091360	
49	PRIOR FILING DATE: 1998-07-01	
50	PRIOR APPLICATION NUMBER: 60/091478	
51	PRIOR FILING DATE: 1998-07-02	
52	PRIOR APPLICATION NUMBER: 60/091633	
53	PRIOR FILING DATE: 1998-07-02	
54	PRIOR APPLICATION NUMBER: 60/091544	
55	PRIOR FILING DATE: 1998-07-01	
56	PRIOR APPLICATION NUMBER: 60/091519	
57	PRIOR FILING DATE: 1998-07-02	
58	PRIOR APPLICATION NUMBER: 60/091626	
59	PRIOR FILING DATE: 1998-07-02	
60	PRIOR APPLICATION NUMBER: 60/091633	
61	PRIOR FILING DATE: 1998-07-02	
62	PRIOR APPLICATION NUMBER: 60/091578	
63	PRIOR FILING DATE: 1998-07-07	
64	PRIOR APPLICATION NUMBER: 60/091982	
65	PRIOR FILING DATE: 1998-07-07	
66	PRIOR APPLICATION NUMBER: 60/092182	
67	PRIOR FILING DATE: 1998-07-09	

Alignment Scores:	
Pred. No.:	5.08e-172
Score:	1431.00
Percent Similarity:	100.00%
Best Local Similarity:	100.00%
Query Match:	100.00%
DB:	9
Length:	1658
Matches:	282
Conservative:	0
Mismatches:	0
Indels:	0
Gaps:	0

APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC25
CURRENT APPLICATION NUMBER: US/09/993,604
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212

PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088824
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088826
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088858
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088861
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/088876
PRIOR FILING DATE: 1998-06-11
PRIOR APPLICATION NUMBER: 60/089105
PRIOR FILING DATE: 1998-06-12
PRIOR APPLICATION NUMBER: 60/089440
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089512
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089514
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089532
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089538
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089598
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089599
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089801
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089907
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089908
PRIOR FILING DATE: 1998-06-18
PRIOR APPLICATION NUMBER: 60/089947
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089948
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/089952
PRIOR FILING DATE: 1998-06-19
PRIOR APPLICATION NUMBER: 60/090246
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090252
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090254
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090349
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090429
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090431
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090435
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090444
PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090445
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090472
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090535
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090540
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090542
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090557
PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090678
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090694
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090695
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090696
PRIOR FILING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/091360
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091519
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091978
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/091982
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/092182
PRIOR FILING DATE: 1998-07-09

Alignment Scores:
Pred. No.: 5,08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-993-604-290 (1-1658)

Qy 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla 20
Db 61 ATGGCTTCCCTGGGCGAGATCCCTCTCTGGAGCATATATAGCATCATATATCTGGCT 120

Qy 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
Db 121 GGAGCAATTCGCTCATCTGCTTGGTATTTTCAGGAGACACATCCATCACTCACT 180

Qy 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
Db 181 ACTGTCGCCCTCAGCTGGGAGCATTTGGGAGATGGAAATCTCTGAGCTGCACTTTTGAACT 240

Qy 61 AspIleLysLeuSerAspIleValIleGlnTrpLeuLysGluGlyValLeuGlyLeuVal 80
Db 241 GACATCAAACTTCTCTGATATCGTGATACATGCTGGAAGAGGTGTTTAGGCTTGGTC 300

Qy 81 HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 301 CATGAGTTCAAGAGAGCAAGAGATGAGCTCTGGAGCAGAGATGAAATGTTTCAGAGCGCG 360

Qy 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
Db 361 ACAGCAGTGTGCTGATCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 420

Qy 121 GlnLeuThrAspAlaGlyThrTyrrLysCysTyrrIleIleThrSerLysGlyLysGlyAsn 140
Db 421 CAACTCAGATGCTGGCAGCTTCAAAATGTTATATCATCATCTTCTAAAGGCAAGGGGAT 480

Qy 141 AlaAsnLeuGluTyrrLysThrGlyAlaPheSerMetProGluValAsnValAspTyrrAsn 160
Db 481 GCTAACCTTGAGTATAAACTGGAGCCTTCAGCATGCGGAGAGTGAATGTGGACTATAAT 540

Qy 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
Db 541 GCCAGCTCAGAGACCTTGGCGTGTGAGGCTCCCGATGGTTCCTCCAGCCACAGTGGTC 600

Qy 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 601 TGGGCATCCCAAGTTGACAGGAGCCAACTTCTCGGAAGTCTCCAATACCAAGTTGAG 660

Qy 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrrAsnValThrIleAsn 220
Db 661 CTGAACCTTGAGAAATGTGACCATGAGGTTGTGTCTGTCTTACAAATGTACGATCAAC 720

Qy 221 AsnThrTyrrSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
Db 721 AACCATACTCTCTGATGATTGAAATGACATTGCCAAAGCAACAGGGGATATCAAGTG 780

Qy 241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuAsnSerLysAlaSerLeu 260
Db 781 ACAGAATCGGAGATCAAAAGCGGAGTCACTCAGCTGCTAAACTCAAGGGCTTCTCTG 840

Qy 261 CysValSerSerPhePheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrrLeuMet 280
Db 841 TGTGTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 900

Qy 281 LeuLys 282
Db 901 CTAATAA 906

RESULT 13
US-09-990-456-290
Sequence 290, Application US/09990456
Patent No. US20020137890A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2730PIC22
;; CURRENT APPLICATION NUMBER: US/09/990,456
;; CURRENT FILING DATE: 2001-11-14
;; PRIOR APPLICATION NUMBER: 60/049787
;; PRIOR FILING DATE: 1997-06-16
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/065186
;; PRIOR FILING DATE: 1997-11-12
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066770
;; PRIOR FILING DATE: 1997-11-24
;; PRIOR APPLICATION NUMBER: 60/075945
;; PRIOR FILING DATE: 1998-02-25
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/087106
;; PRIOR FILING DATE: 1998-05-28
;; PRIOR APPLICATION NUMBER: 60/087607
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087609
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087759
;; PRIOR FILING DATE: 1998-06-02
;; PRIOR APPLICATION NUMBER: 60/087827
;; PRIOR FILING DATE: 1998-06-03
;; PRIOR APPLICATION NUMBER: 60/088021
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088025
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088026
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088028
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088029
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088030
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088033
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088326
;; PRIOR FILING DATE: 1998-06-04
;; PRIOR APPLICATION NUMBER: 60/088167
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088202
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088212
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088217
;; PRIOR FILING DATE: 1998-06-05
;; PRIOR APPLICATION NUMBER: 60/088655
;; PRIOR FILING DATE: 1998-06-09
;; PRIOR APPLICATION NUMBER: 60/088734
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088738
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088742
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088810
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088824
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088826
;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088858
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/088861
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/088876
;; PRIOR FILING DATE: 1998-06-11
;; PRIOR APPLICATION NUMBER: 60/089105
;; PRIOR FILING DATE: 1998-06-12
;; PRIOR APPLICATION NUMBER: 60/089440
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089512
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089514
;; PRIOR FILING DATE: 1998-06-16
;; PRIOR APPLICATION NUMBER: 60/089532
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089538
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089598
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089599
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089600
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653
;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089801
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089907
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089908
;; PRIOR FILING DATE: 1998-06-18
;; PRIOR APPLICATION NUMBER: 60/089947
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089948
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/089952
;; PRIOR FILING DATE: 1998-06-19
;; PRIOR APPLICATION NUMBER: 60/090246
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090252
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090254
;; PRIOR FILING DATE: 1998-06-22
;; PRIOR APPLICATION NUMBER: 60/090349
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090355
;; PRIOR FILING DATE: 1998-06-23
;; PRIOR APPLICATION NUMBER: 60/090429
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090431
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090435
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090444
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090445
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090472
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090535
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090540
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090542
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
;; PRIOR APPLICATION NUMBER: 60/090676
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694

;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090695
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090696
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090862
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.: 5,08e-172 Length: 1658
Score: 1431.00 Matches: 282
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-063-567-60 (1-282) x US-09-990-456-290 (1-1658)

QY 1 MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleIleLeuAla 20
Db 61 ATGGCTTCCTGGGCGAGATCCTCTCTGGAGCATATTAGCATCATATTCTTGGCT 120
QY 21 GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr 40
Db 121 GGAGCAATTCACATCATCTGCTTGGTATTTCTAGGAGAGACATCCCATCAGTCACT 180
QY 41 ThrValAlaSerAlaGlyAsnIleGlyGluAspGlyIleLeuSerCysThrPheGluPro 60
Db 181 ACTGTGCGCTCAGCTGGGAACATTTGGGAGATGGATCTCTGAGCTGCATTTTGAACCT 240
QY 61 AspIleLeuSerAspIleValIleGlnTrpLeuGlyGluValLeuGlyLeuVal 80
Db 241 GACATCAAACTTCTGATATCGTGATACATGCTGAAGGAGGCTGTTTAGGCTTGGTC 300
QY 81 HisGluPheGlyGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg 100
Db 301 CATGAGTTCAAGAAGCAAGATGAGCTGCGAGCAGATGAATGTTTCAAGGCCCG 360
QY 101 ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal 120
Db 361 ACAGCAGTGTGCTGATCAAGTGATAGTTGGCAATGCCCTTTTGGGCTGAAAAACGTG 420
QY 121 GlnLeuThrAspAlaGlyThrTrpLysCysTyrlleIleThrSerLysGlyLysGlyAsn 140
Db 421 CAATCAGATGCTGCGACCTCAAAATGTTATATCATCTACTTCAAGGCAAGGGGAT 480
QY 141 AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn 160
Db 481 GCTAACCTTGATATAACTGGAGCCCTTCAGCATGCCGAGTGAATGTGGACTATAAT 540
QY 161 AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal 180
Db 541 GCCAGCTCAGAGACCTTGGCGTGTAGGCTCCCGATGTTCCCGCCAGCCACAGTGGTC 600

QY 181 TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu 200
Db 601 TGGGCATCCCAAGTTGACCAAGGAGCAACTTCTCGGAAGTCTCCAATACCAAGTTTGGAG 660
QY 201 LeuAsnSerGluAsnValThrMetLysValValSerValLeuTyrAsnValThrIleAsn 220
Db 661 CTGAACCTCTGAGAATGTGACCATGAGGTTGTGTCTGTCTTACAAATGTACATCAAC 720
QY 221 AsnThrTrpSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal 240
Db 721 AACACATACCTCTGTATGATGTAATGACATTGCCAAAGCAACAGGGGATATCAAGTG 780
QY 241 ThrGluSerGluIleLysArgSerHisLeuGlnLeuLeuAsnSerLysAlaSerLeu 260
Db 781 ACAGAATCGGAGATCAAAAGCGGAGTCACCTACAGCTGTCTAAACTCAAGGCTTCTCTG 840
QY 261 CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrLeuMet 280
Db 841 TGTGTCTCTCTCTTCTTTTGGCATCATCAGCTGGGCACTTCTGCTCTCAGCCCTTACCTGATG 900
QY 281 LeuLys 282
Db 901 CTAATAA 906
RESULT 14
US-09-999-721-290
; Sequence 290, Application US/09989721
; Patent No. US20020142961A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C55
; CURRENT APPLICATION NUMBER: US/09/989,721
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

```

/ PRIOR APPLICATION NUMBER: 60/091633
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091978
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/091982
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/092182
/ PRIOR FILING DATE: 1998-07-09
/

```

Alignment Scores:

Alignment Scores:			
Pred. No.:	5.08e-172	Length:	1558
Score:	1431.00	Matches:	282
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-10-063-567-60 (1-282) x US-09-989-721-290 (1-1658)

Qy	1	MetAlaSerLeuGlyGlnIleLeuPheTrpSerIleLeuSerIleIleIleIleLeuAla	20
Db	61	ATGGCTTCCTCGGGCAGATCCTCTTCGGAGCATAATTAGCATCATTAATTCTGGCT	120
Qy	21	GlyAlaIleAlaLeuIleIleGlyPheGlyIleSerGlyArgHisSerIleThrValThr	40
Db	121	GGAGCAATTGGCACTCATATTGGCTTTGGTATTTTCAGGAGACACTCATCACAGTCACT	180
Qy	41	ThrValAlaSerAlaGlyAsnIleGlyGlnAspGlyIleLeuSerCysThrPheGluPro	60
Db	181	ACTGTCCGCTCAGCTGGGAACATTGGGAGAGATGGAATCCTGAGCTGCATCTTTTGAACCT	240
Qy	61	AspIleIysLeuSerAspIleValIleGlnTrpLeuLysGluGlyValLeuVal	80
Db	241	GACATCAAACTTCTCGATATCTGATACATATGGCTGGAAGAGGTGTTTTAGCGTTGGTC	300
Qy	81	HisGluPheLysGluGlyLysAspGluLeuSerGluGlnAspGluMetPheArgGlyArg	100
Db	301	CATGAGTTCAAGAAGCCAAAGATCAGCTGCGAGCAGGATGAAATGTTTCAGAGGCCGG	360
Qy	101	ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuLysAsnVal	120
Db	361	ACAGCAGTGTTCGTGATCAAGTGATAGTAGTGGCAATGCCCTCTTTGCGGCTGAAPAACGTG	420
Qy	121	GlnLeuThrAspAlaGlyThrTrpLysCysVtrIleIleThrSerLysGlyLysGlyAsn	140
Db	421	CAACTCACAGACTCGCACCTACAAATGTTATATCATCACTTCTAAAGGCCAAGGGCAAT	480
Qy	141	AlaAsnLeuGluTrpLysThrGlyAlaPheSerMetProGluValAsnValAspTrpAsn	160
Db	481	GCTAACCTTGAGTATAAAACTCGAGCTTCAGCATGCCGAAGTGAATGTGGACATAAAT	540
Qy	161	AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal	180
Db	541	GCCAGCTCAGAGACCTTCGGGTGTGAGGCTCCCGCATGTTCCCCAGCCACAGTGGTC	600
Qy	181	TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu	200
Db	601	TGGGCATCCCAAGTTCACCAGGAGGCCAACTTCTCGGAAGTCTCCAATACCAGCTTTGAG	660
Qy	201	LeuAsnSerGluAsnValThrMetLysValValSerValLeuTrpAsnValThrIleAsn	220
Db	661	CTGAACTCTCGAATAATGACCATGAAGTTGTGTCTGTGCTCTACATGTTACGATCAAC	720
Qy	221	AsnThrTrpSerCysMetIleGluAsnAspIleAlaLysAlaThrGlyAspIleLysVal	240
Db	721	AACACATACTCTCTGTATGATTGAAATGACATTGGCCAAAGCAACAGGGGGATATCAAAAGTG	780
Qy	241	ThrGluSerGluIleLysArgSerHisLeuGlnLeuAsnSerLysAlaSerLeu	260
Db	781	ACGAATCGGAGATCAAAAGCGGAGTCACTTACAGCTGCTTAACCTCAAGGCTTCTCTG	840
Qy	261	CysValSerSerPheAlaIleSerTrpAlaLeuLeuProLeuSerProTrpLeuMet	280

, PRIOR FILING DATE: 1998-06-04
 , PRIOR APPLICATION NUMBER: 60/088028
 , PRIOR FILING DATE: 1998-06-04
 , PRIOR APPLICATION NUMBER: 60/088029
 , PRIOR FILING DATE: 1998-06-04
 , PRIOR APPLICATION NUMBER: 60/088030
 , PRIOR FILING DATE: 1998-06-04
 , PRIOR APPLICATION NUMBER: 60/088033
 , PRIOR FILING DATE: 1998-06-04
 , PRIOR APPLICATION NUMBER: 60/088326
 , PRIOR FILING DATE: 1998-06-04
 , PRIOR APPLICATION NUMBER: 60/088167
 , PRIOR FILING DATE: 1998-06-05
 , PRIOR APPLICATION NUMBER: 60/088202
 , PRIOR FILING DATE: 1998-06-05
 , PRIOR APPLICATION NUMBER: 60/088212
 , PRIOR FILING DATE: 1998-06-05
 , PRIOR APPLICATION NUMBER: 60/088217
 , PRIOR FILING DATE: 1998-06-05
 , PRIOR APPLICATION NUMBER: 60/088655
 , PRIOR FILING DATE: 1998-06-09
 , PRIOR APPLICATION NUMBER: 60/088734
 , PRIOR FILING DATE: 1998-06-10
 , PRIOR APPLICATION NUMBER: 60/088738
 , PRIOR FILING DATE: 1998-06-10
 , PRIOR APPLICATION NUMBER: 60/088742
 , PRIOR FILING DATE: 1998-06-10
 , PRIOR APPLICATION NUMBER: 60/088810
 , PRIOR FILING DATE: 1998-06-10
 , PRIOR APPLICATION NUMBER: 60/088824
 , PRIOR FILING DATE: 1998-06-10
 , PRIOR APPLICATION NUMBER: 60/088826
 , PRIOR FILING DATE: 1998-06-10
 , PRIOR APPLICATION NUMBER: 60/088858
 , PRIOR FILING DATE: 1998-06-11
 , PRIOR APPLICATION NUMBER: 60/088861
 , PRIOR FILING DATE: 1998-06-11
 , PRIOR APPLICATION NUMBER: 60/088876
 , PRIOR FILING DATE: 1998-06-11
 , PRIOR APPLICATION NUMBER: 60/089105
 , PRIOR FILING DATE: 1998-06-12
 , PRIOR APPLICATION NUMBER: 60/089440
 , PRIOR FILING DATE: 1998-06-16
 , PRIOR APPLICATION NUMBER: 60/089512
 , PRIOR FILING DATE: 1998-06-16
 , PRIOR APPLICATION NUMBER: 60/089514
 , PRIOR FILING DATE: 1998-06-16
 , PRIOR APPLICATION NUMBER: 60/089532
 , PRIOR FILING DATE: 1998-06-17
 , PRIOR APPLICATION NUMBER: 60/089538
 , PRIOR FILING DATE: 1998-06-17
 , PRIOR APPLICATION NUMBER: 60/089598
 , PRIOR FILING DATE: 1998-06-17
 , PRIOR APPLICATION NUMBER: 60/089599
 , PRIOR FILING DATE: 1998-06-17
 , PRIOR APPLICATION NUMBER: 60/089600
 , PRIOR FILING DATE: 1998-06-17
 , PRIOR APPLICATION NUMBER: 60/089653
 , PRIOR FILING DATE: 1998-06-17
 , PRIOR APPLICATION NUMBER: 60/089801
 , PRIOR FILING DATE: 1998-06-18
 , PRIOR APPLICATION NUMBER: 60/089907
 , PRIOR FILING DATE: 1998-06-18
 , PRIOR APPLICATION NUMBER: 60/089908
 , PRIOR FILING DATE: 1998-06-18
 , PRIOR APPLICATION NUMBER: 60/089947
 , PRIOR FILING DATE: 1998-06-19
 , PRIOR APPLICATION NUMBER: 60/089948
 , PRIOR FILING DATE: 1998-06-19
 , PRIOR APPLICATION NUMBER: 60/089952
 , PRIOR FILING DATE: 1998-06-19
 , PRIOR APPLICATION NUMBER: 60/090246
 , PRIOR FILING DATE: 1998-06-22

, PRIOR APPLICATION NUMBER: 60/090252
 , PRIOR FILING DATE: 1998-06-22
 , PRIOR APPLICATION NUMBER: 60/090254
 , PRIOR FILING DATE: 1998-06-22
 , PRIOR APPLICATION NUMBER: 60/090349
 , PRIOR FILING DATE: 1998-06-23
 , PRIOR APPLICATION NUMBER: 60/090355
 , PRIOR FILING DATE: 1998-06-23
 , PRIOR APPLICATION NUMBER: 60/090429
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090431
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090435
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090444
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090445
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090472
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090535
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090540
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090542
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090557
 , PRIOR FILING DATE: 1998-06-24
 , PRIOR APPLICATION NUMBER: 60/090676
 , PRIOR FILING DATE: 1998-06-25
 , PRIOR APPLICATION NUMBER: 60/090678
 , PRIOR FILING DATE: 1998-06-25
 , PRIOR APPLICATION NUMBER: 60/090690
 , PRIOR FILING DATE: 1998-06-25
 , PRIOR APPLICATION NUMBER: 60/090694
 , PRIOR FILING DATE: 1998-06-25
 , PRIOR APPLICATION NUMBER: 60/090695
 , PRIOR FILING DATE: 1998-06-25
 , PRIOR APPLICATION NUMBER: 60/090696
 , PRIOR FILING DATE: 1998-06-25
 , PRIOR APPLICATION NUMBER: 60/090862
 , PRIOR FILING DATE: 1998-06-26
 , PRIOR APPLICATION NUMBER: 60/090863
 , PRIOR FILING DATE: 1998-06-26
 , PRIOR APPLICATION NUMBER: 60/091360
 , PRIOR FILING DATE: 1998-07-01
 , PRIOR APPLICATION NUMBER: 60/091478
 , PRIOR FILING DATE: 1998-07-02
 , PRIOR APPLICATION NUMBER: 60/091544
 , PRIOR FILING DATE: 1998-07-01
 , PRIOR APPLICATION NUMBER: 60/091519
 , PRIOR FILING DATE: 1998-07-02
 , PRIOR APPLICATION NUMBER: 60/091626
 , PRIOR FILING DATE: 1998-07-02
 , PRIOR APPLICATION NUMBER: 60/091633
 , PRIOR FILING DATE: 1998-07-02
 , PRIOR APPLICATION NUMBER: 60/091978
 , PRIOR FILING DATE: 1998-07-07
 , PRIOR APPLICATION NUMBER: 60/091982
 , PRIOR FILING DATE: 1998-07-07
 , PRIOR APPLICATION NUMBER: 60/092182
 , PRIOR FILING DATE: 1998-07-09

Alignment Scores:
 Pred. No.: 5.08e-172
 Score: 1431.00
 Percent Similarity: 100.00%
 Best Local Similarity: 100.00%
 Query Match: 100.00%
 DB: 9
 Length: 1658
 Matches: 282
 Conservative: 0
 Mismatches: 0
 Indels: 0
 Gaps: 0

US-10-063-567-60 (1-282) x US-09-992-598-290 (1-1658)

Tue Jun 1 07:51:42 2004

Qy	1	MetalaSerLeuGlyGlnIleLeuPheTrpSerIleIleSerIleIleIleLeuAla	20
Db	61	ATGGCTTCCCTGGGGCAGATCCTCTTCTGGAGCAATAATTAGCATCATCAATTAATCTGGCT	120
Qy	21	GlyAlaIleAlaLeuIleIleGlyPheClyIleSerGlyArgHisSerIleThrValThr	40
Db	121	GGAGCAATTGCACATCATATTGGCTTTGGTATTTTCAGGAGACACTCCATCACAAGTCACT	180
Qy	41	ThrValAlaSerAlaGlyAsnIleGlyIleAspGlyIleLeuSerCysThrPheGluPro	60
Db	181	ACTGTCGCCTCAGCTGGGAAACATTGGGGAGGATGGAATCCTTGAGCTGCACCTTTTGAACCT	240
Qy	61	AspIleIleYsSerAspIleValIleGlnTrpLeuIleGlyValIleGlyLeuVal	80
Db	241	GACATCAAACTTTCTGATATCGTGATACAAATGGCTGAAGGAGGTGTTTAGGCTTGGTC	300
Qy	81	HisGluPheIleYsGluGlyIleAspGluLeuSerGluGlnAspGluMetPheArgGlyArg	100
Db	301	CATGAGTTCAAAGAAGGCANAGATGAGCTGTCGGAGCAGGATGAAATGTTTCAGAGGCCG	360
Qy	101	ThrAlaValPheAlaAspGlnValIleValGlyAsnAlaSerLeuArgLeuIleAsnVal	120
Db	361	ACAGCAGTGTGTGTCATCAAGTATAGTGGCAATGCCTCTTTGGCGCTCAAAAACGCTG	420
Qy	121	GlnLeuThrAspAlaGlyThrTyrlYsCysTyrlleIleThrSerIleYsGlyIleAsn	140
Db	421	CAACTCACAGATGTGGCACCTCAAAAGTTATATCATCATCTTCTTAAAGGCACAGGGGAT	480
Qy	141	AlaAsnLeuGluTyrlYsThrGlyAlaPheSerMetProGluValAsnValAspTyrAsn	160
Db	481	GCTAACTTTGAGTATAAACTGGAGCCTTCAGCATGCCGGAAGTGAATGTGCACATAAAT	540
Qy	161	AlaSerSerGluThrLeuArgCysGluAlaProArgTrpPheProGlnProThrValVal	180
Db	541	GCCAGCTCAGAGACCTTCGGGTGTGAGGCTCCCCGATGGTTCCCCACCCACAGTGGTC	600
Qy	181	TrpAlaSerGlnValAspGlnGlyAlaAsnPheSerGluValSerAsnThrSerPheGlu	200
Db	601	TGGGCATCCCAAGTTGACCGAGGAGCCAACTTCTCGGAAGTCTCCAAATACCAGCTTTTGAG	660
Qy	201	LeuAsnSerGluAsnValThrMetIleYsValValSerValLeuTyrAsnValThrIleAsn	220
Db	661	CTGAACCTCGAGAAATGTGACCATGAAGGTGGTCTGTGCTCTACAAATGTACGATCAAC	720
Qy	221	AsnThrTyrlSerCysMetIleGluAsnAspIleAlaIleYsAlaThrGlyAspIleYsVal	240
Db	721	AACACATACTCTGTATGATTGAAATGCATTTGCCAAGGCAACACAGGGGATATCAAAGTG	780
Qy	241	ThrGluSerGluIleYsArgArgSerHisLeuGlnLeuLeuAsnSerIleYsAlaSerIleu	260
Db	781	ACAGAAATCCGAGATCAAAAGGCGGAGTCACCTACAGCTGCTTAAACGTCAAAGCTTCTCTG	840
Qy	261	CysValSerSerPhePheAlaIleSerTrpAlaLeuLeuProLeuSerProTyrIleuMet	280
Db	841	TGTGTCTCTTCTTTCTTTGCCATCAGCTGGGCACTTCTGCGCTCTCAGGCCCTTACCTGATG	900
Qy	281	LeuIleYs	282
Db	901	CTAAAA	906

Search completed: May 30, 2004, 04:05:18
Job time : 428 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 28, 2004, 14:33:06 ; Search time 22 Seconds
(without alignments)
661.751 Million cell updates/sec

Title: US-10-063-567-60
 Perfect score: 1431
 Sequence: 1 MASLGQILFWSIIIIILA.....SSFFAIGWALLPLSPYMLK 282

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

```
Minimum DB seq length: 0
Maximum DB seq length: 2000000000
```

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

```

Database :
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pcp.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pcp.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pcp.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pcp.*
5: /cgn2_6/ptodata/2/iaa/POTUS_COMB.pcp.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pcp.*

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	1431	100.0	282	4	US-09-404-878A-393	Sequence 393, Appl
2	1431	100.0	309	4	US-09-404-878A-392	Sequence 392, Appl
3	246.5	17.2	316	4	US-09-910-174B-24	Sequence 24, Appl
4	246.5	17.2	316	4	US-09-620-461-24	Sequence 24, Appl
5	245	17.1	340	4	US-09-651-200-2	Sequence 2, Appl
6	245	17.1	411	4	US-09-651-200-4	Sequence 4, Appl
7	245	17.1	534	4	US-09-651-200-6	Sequence 6, Appl
8	245	17.1	534	4	US-09-651-200-24	Sequence 24, Appl
9	238.5	16.7	315	4	US-09-910-174B-28	Sequence 28, Appl
10	238.5	16.7	315	4	US-09-620-461-28	Sequence 28, Appl
11	223	15.6	513	4	US-09-910-174B-18	Sequence 18, Appl
12	223	15.6	513	4	US-09-620-461-18	Sequence 18, Appl
13	217.5	15.2	540	2	US-08-724-394A-4	Sequence 4, Appl
14	215.5	15.1	731	4	US-09-910-174B-15	Sequence 15, Appl
15	215.5	15.1	731	4	US-09-620-461-15	Sequence 15, Appl
16	213.5	14.9	584	4	US-09-910-174B-16	Sequence 16, Appl
17	213.5	14.9	584	4	US-09-620-461-16	Sequence 16, Appl
18	212.5	14.8	600	2	US-08-724-394A-5	Sequence 5, Appl
19	211.5	14.8	526	4	US-09-910-174B-9	Sequence 9, Appl
20	211.5	14.8	526	4	US-09-620-461-9	Sequence 9, Appl
21	211.5	14.8	589	2	US-08-724-394A-1	Sequence 1, Appl
22	207.5	14.5	319	4	US-09-910-174B-12	Sequence 12, Appl
23	207.5	14.5	319	4	US-09-620-461-12	Sequence 12, Appl
24	207.5	14.5	342	2	US-08-724-394A-6	Sequence 6, Appl
25	207.5	14.5	357	4	US-09-910-174B-14	Sequence 14, Appl
26	207.5	14.5	357	4	US-09-620-461-14	Sequence 14, Appl
27	204	14.3	290	4	US-09-910-174B-19	Sequence 19, Appl

ALIGNMENTS

```

RESULT 1
US-09-404-879A-393
; Sequence 393, Application US/09/404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon B.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND
; TITLE OF INVENTION: DIAGNOSIS OF OVA
; FILE REFERENCE: 210121.462C3
; CURRENT APPLICATION NUMBER: US/09/404
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version
; SEQ ID NO 393
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-404-879A-393

```

Query Match	100.0%; Score 1431; DB 4; Length 282;
Best Local Similarity	100.0%; Pres.No. 2.8e-138;
Matches 282; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
1 MASLQQLFWSIISIIIIILAGAILIIIGFGISGRHSITVTTVASAGNIGEDGILSCTPEP 60	
1 MASLQQLFWSIISIIIIILAGAILIIIGFGISGRHSITVTTVASAGNIGEDGILSCTPEP 60	
61 DIKLSDIIVOMLKEGVILGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASIRLKNV 120	
61 DIKLSDIIVOMLKEGVILGVHEFKGKDELSEQDEMFRGRTAVFADQVIVGNASIRLKNV 120	
121 QLTDAAGTKYCVIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWPFPQTVV 180	
121 QLTDAAGTKYCVIITSKGKGNANLEYKTGAFSMPEVNVVDYNASSETLRCEAPRWPFPQTVV 180	
181 WASQVDQGANFSEVNTSFEIENSVNTWKVYVSVLYNVTINNTYSOMIENDIAKATGDIKV 240	
181 WASQVDQGANFSEVNTSFEIENSVNTWKVYVSVLYNVTINNTYSOMIENDIAKATGDIKV 240	
241 TSETEKRSASHLQLLNSKASLCVSSSFAISWALLPLSPYIMLK 282	
241 TSETEKRSASHLQLLNSKASLCVSSSFAISWALLPLSPYIMLK 282	

RESULT 2
US-09-404-879A-392
; Sequence 392, Application US/09404879A
; Patent No. 6468546

```

; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 392
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-404-879A-392

Query Match      100.0%; Score 1431; DB 4; Length 309;
Best Local Similarity 100.0%; Pred. No. 3.2e-138;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 60
Db 28 MASIGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 87
Qy 61 DIKLSDIVIOWKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
Db 88 DIKLSDIVIOWKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147
Qy 121 QLTDAQYKCVIITSKGNANLEYKTAGFSPMPVNVYDYNASSETLCEAPRHPQPTVV 180
Db 148 QLTDAQYKCVIITSKGNANLEYKTAGFSPMPVNVYDYNASSETLCEAPRHPQPTVV 207
Qy 181 WASQVDOGANFSEVNTSFELNSNTVMKVSVLYNVTINNTVSCMIENDIAKATGDIKV 240
Db 208 WASQVDOGANFSEVNTSFELNSNTVMKVSVLYNVTINNTVSCMIENDIAKATGDIKV 267
Qy 241 TESIKRSHIQLNSKASLCVSSFFAISWALLPLSPYLMK 282
Db 268 TESIKRSHIQLNSKASLCVSSFFAISWALLPLSPYLMK 309

RESULT 3
US-09-910-174B-24
; Sequence 24, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-910-174B-24

Query Match      17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 7e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDIKLSDIVIOWKEGVLG 78
Db 15 GAALGALWFLITGALEVQVPDPVVALVGTDTATLCCSFSPGFSLAQLNLIMQLTDTKQ 74
Qy 79 LVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAQYKCVIITSKGK 138
Db 75 LVHFAEGQD---QGSAYANRTALFPDLLAQGNASLRLQVRVADEGSFTCF-VSIRDF 129
Qy 139 GNANLEYKTGA-FSPMPVNVYDYN-----ASSETLCEAPRHPQPTVVWASQVDOGANFS 192
Db 130 GSAAVSLQVAAPYKPSMTLEPNKDLRFGDTVTITCSSYRGYPEAEVFW--QDGGVPLT 187
Qy 193 EVSNTSFELNSNTVMKVSVLYNVT-INNTVSCMIENDIAK--ATGDIKVT 241
Db 188 GNVTTIS-QVANEQGLFDVHSLRVVLVGANGTYSLVRNPVLQDAGHSVTIT 238

RESULT 4
US-09-620-461-24
; Sequence 24, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620,461
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-620-461-24

Query Match      17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 7e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDIKLSDIVIOWKEGVLG 78
Db 15 GAALGALWFLITGALEVQVPDPVVALVGTDTATLCCSFSPGFSLAQLNLIMQLTDTKQ 74
Qy 79 LVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAQYKCVIITSKGK 138
Db 75 LVHFAEGQD---QGSAYANRTALFPDLLAQGNASLRLQVRVADEGSFTCF-VSIRDF 129
Qy 139 GNANLEYKTGA-FSPMPVNVYDYN-----ASSETLCEAPRHPQPTVVWASQVDOGANFS 192
Db 130 GSAAVSLQVAAPYKPSMTLEPNKDLRFGDTVTITCSSYRGYPEAEVFW--QDGGVPLT 187
Qy 193 EVSNTSFELNSNTVMKVSVLYNVT-INNTVSCMIENDIAK--ATGDIKVT 241
Db 188 GNVTTIS-QVANEQGLFDVHSLRVVLVGANGTYSLVRNPVLQDAGHSVTIT 238

RESULT 5
US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18

```

```

; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 392
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-404-879A-392

Query Match      100.0%; Score 1431; DB 4; Length 309;
Best Local Similarity 100.0%; Pred. No. 3.2e-138;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASIGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 60
Db 28 MASIGQILFWSIIIIIIILAGAILIIGFISGRHSITVTVASAGNIGEDGILSCTFEP 87
Qy 61 DIKLSDIVIOWKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
Db 88 DIKLSDIVIOWKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147
Qy 121 QLTDAQYKCVIITSKGNANLEYKTAGFSPMPVNVYDYNASSETLCEAPRHPQPTVV 180
Db 148 QLTDAQYKCVIITSKGNANLEYKTAGFSPMPVNVYDYNASSETLCEAPRHPQPTVV 207
Qy 181 WASQVDOGANFSEVNTSFELNSNTVMKVSVLYNVTINNTVSCMIENDIAKATGDIKV 240
Db 208 WASQVDOGANFSEVNTSFELNSNTVMKVSVLYNVTINNTVSCMIENDIAKATGDIKV 267
Qy 241 TESIKRSHIQLNSKASLCVSSFFAISWALLPLSPYLMK 282
Db 268 TESIKRSHIQLNSKASLCVSSFFAISWALLPLSPYLMK 309

RESULT 3
US-09-910-174B-24
; Sequence 24, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-910-174B-24

Query Match      17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 7e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDIKLSDIVIOWKEGVLG 78
Db 15 GAALGALWFLITGALEVQVPDPVVALVGTDTATLCCSFSPGFSLAQLNLIMQLTDTKQ 74
Qy 79 LVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAQYKCVIITSKGK 138
Db 75 LVHFAEGQD---QGSAYANRTALFPDLLAQGNASLRLQVRVADEGSFTCF-VSIRDF 129
Qy 139 GNANLEYKTGA-FSPMPVNVYDYN-----ASSETLCEAPRHPQPTVVWASQVDOGANFS 192
Db 130 GSAAVSLQVAAPYKPSMTLEPNKDLRFGDTVTITCSSYRGYPEAEVFW--QDGGVPLT 187
Qy 193 EVSNTSFELNSNTVMKVSVLYNVT-INNTVSCMIENDIAK--ATGDIKVT 241
Db 188 GNVTTIS-QVANEQGLFDVHSLRVVLVGANGTYSLVRNPVLQDAGHSVTIT 238

RESULT 4
US-09-620-461-24
; Sequence 24, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620,461
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-620-461-24

Query Match      17.2%; Score 246.5; DB 4; Length 316;
Best Local Similarity 30.2%; Pred. No. 7e-17;
Matches 70; Conservative 44; Mismatches 99; Indels 19; Gaps 9;

Qy 21 GAIALIIGFISGRHSITVTVASAGNIGEDGILSCTF--EPDIKLSDIVIOWKEGVLG 78
Db 15 GAALGALWFLITGALEVQVPDPVVALVGTDTATLCCSFSPGFSLAQLNLIMQLTDTKQ 74
Qy 79 LVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAQYKCVIITSKGK 138
Db 75 LVHFAEGQD---QGSAYANRTALFPDLLAQGNASLRLQVRVADEGSFTCF-VSIRDF 129
Qy 139 GNANLEYKTGA-FSPMPVNVYDYN-----ASSETLCEAPRHPQPTVVWASQVDOGANFS 192
Db 130 GSAAVSLQVAAPYKPSMTLEPNKDLRFGDTVTITCSSYRGYPEAEVFW--QDGGVPLT 187
Qy 193 EVSNTSFELNSNTVMKVSVLYNVT-INNTVSCMIENDIAK--ATGDIKVT 241
Db 188 GNVTTIS-QVANEQGLFDVHSLRVVLVGANGTYSLVRNPVLQDAGHSVTIT 238

RESULT 5
US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18

```

Db 229 NASLRQVRVADEGSTCF-VSIRDFGSAASVLSQVAAPYKSPKMTLEPNKDLRPGDTVT 287
Qy 166 LRCEAPRWFPQPTVWASQVDQGANFSEVNTSFELNSENVTKVSVLYNVT-INNTYS 224
Db 288 ITCSSYRGYPEAEVFW--QDQGVPVLTGNVTT--QMANEQGLFDVHSLRVVLGANGTYS 344
Qy 225 CMENDIAK--ATGDIKVT 241
Db 345 CLVRNPVLQDAGHSVTIT 363

RESULT 7

US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match 17.1%; Score 245; DB 4; Length 534;
Best Local Similarity 27.8%; Pred. No. 2.3e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGATALLIGFI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 206 SILRVVLGANGTYSCLVRNPVLQDAGHSVTITPQRSPTGAVEVQVPEDPVVALVGTDTAT 265
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVLGLVHFEKKGDELSEQDEMFRGRTAVFADQVIVG 111
Db 266 LRCSFSPFPGFSLAQNLNLIWLTDTKQLVHSFTFGRD---QGSAYANRTALFPDLLAQG 321
Qy 112 NASLRKNVQLTDAGTYKCVIITSKGNANLEYKTGA-FSMPEVNVN-DY-----ASSET 165
Db 322 NASLRQVRVADEGSTCF-VSIRDFGSAASVLSQVAAPYKSPKMTLEPNKDLRPGDTVT 380
Qy 166 LRCEAPRWFPQPTVWASQVDQGANFSEVNTSFELNSENVTKVSVLYNVT-INNTYS 224
Db 381 ITCSSYRGYPEAEVFW--QDQGVPVLTGNVTT--QMANEQGLFDVHSLRVVLGANGTYS 437
Qy 225 CMENDIAK--ATGDIKVT 241
Db 438 CLVRNPVLQDAGHSVTIT 456

RESULT 8

US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200

; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2

Query Match 17.1%; Score 245; DB 4; Length 340;
Best Local Similarity 27.8%; Pred. No. 1.1e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGATALLIGFI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 12 SILRVVLGANGTYSCLVRNPVLQDAGHSVTITPQRSPTGAVEVQVPEDPVVALVGTDTAT 71
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVLGLVHFEKKGDELSEQDEMFRGRTAVFADQVIVG 111
Db 72 LRCSFSPFPGFSLAQNLNLIWLTDTKQLVHSFTFGRD---QGSAYANRTALFPDLLAQG 127
Qy 112 NASLRKNVQLTDAGTYKCVIITSKGNANLEYKTGA-FSMPEVNVN-DY-----ASSET 165
Db 128 NASLRQVRVADEGSTCF-VSIRDFGSAASVLSQVAAPYKSPKMTLEPNKDLRPGDTVT 186
Qy 166 LRCEAPRWFPQPTVWASQVDQGANFSEVNTSFELNSENVTKVSVLYNVT-INNTYS 224
Db 187 ITCSSYRGYPEAEVFW--QDQGVPVLTGNVTT--QMANEQGLFDVHSLRVVLGANGTYS 243
Qy 225 CMENDIAK--ATGDIKVT 241
Db 244 CLVRNPVLQDAGHSVTIT 262

RESULT 6

US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match 17.1%; Score 245; DB 4; Length 441;
Best Local Similarity 27.8%; Pred. No. 1.7e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;

Qy 11 SIISIIILAGATALLIGFI---SGRHSITVTIVAS-----AGNIGEDGI 53
Db 113 SILRVVLGANGTYSCLVRNPVLQDAGHSVTITPQRSPTGAVEVQVPEDPVVALVGTDTAT 172
Qy 54 LSCTF--EPDIKLSDIVIOMLKEGVLGLVHFEKKGDELSEQDEMFRGRTAVFADQVIVG 111
Db 173 LRCSFSPFPGFSLAQNLNLIWLTDTKQLVHSFTFGRD---QGSAYANRTALFPDLLAQG 228
Qy 112 NASLRKNVQLTDAGTYKCVIITSKGNANLEYKTGA-FSMPEVNVN-DY-----ASSET 165

; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; OTHER INFORMATION: mz5020.protein from Figure 4.
US-09-651-200-24

Query Match 17.1%; Score 245; DB 4; Length 534;
Best Local Similarity 27.8%; Pred. No. 2.3e-16;
Matches 72; Conservative 50; Mismatches 101; Indels 36; Gaps 11;
QY 11 SIISIIIIAGAIILIGFI---SGRHSITVTTVAS-----AGNIGEDGI 53
Db 206 SILAVVLGANGTSCLVNRPVQLQDAHSSVITPQSPGTGAVEVQVPEDPVVALVGTAT 265
QY 54 LSCFP--EPDIKLSDIVIOWLKEGVGLVHFEKKGKDELSEODEMFRGRTAVFADQVING 111
Db 266 LRCFSFEPGSLAQNLWLTDTKQLVHSFTEGRD---QGSAYANRTALFPDLLAQG 321
QY 112 NASLRLKNVQLTDAGTKYIITSKGNANLEYKTGA-FSPMPVNVVDYN-----ASSET 165
Db 322 NASLRLQVRVDEGSFTCF-VSIRDGSAVSLQVAAPYSKPSMTLEPNKDLRPGDTVT 380
QY 166 LRCRAPRFPQPTVVASQVQGANFSEVNTSFEIASENVTMKVSVLYNVT-INNTYS 224
Db 381 ITCSYRGYPAEVFW--QDQGVPLTGNVTTS-QMANEQGLFDVHSLRVVLGANGTYS 437
QY 225 CMIENDIAK--ATGDIKVT 241
Db 438 CLVRNPLVQDAHSGSVIT 456

RESULT 9
US-09-910-174B-28
; Sequence 28, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 315
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-910-174B-28

Query Match 16.7%; Score 238.5; DB 4; Length 315;
Best Local Similarity 26.9%; Pred. No. 4.6e-16;
Matches 65; Conservative 46; Mismatches 112; Indels 19; Gaps 7;
QY 10 WSIISIIIIAGAIILIGFISGRHSITVTTVASAGNIGEDGILSCFP--EPDIKLSDI 67
Db 5 WGGPSVGVCVRTALG-VLCLCTGTGAVEVQVSEDPVVALVDTDTATLRCFSFEPGSLAQ 63

QY 68 VIQWLKEGVGLVHFEKKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGT 127
Db 64 NLIWQLTDTKQLVHSFTEGRD---QGSAYSNRTALFPDILLVQGNASLRLQVRVTDGSG 119
QY 128 YKCYIITSKGNANLEYKTGAFSPMPVNVVDYN-----ASSETLRCRAPRFPQPTVVWA 182
Db 120 YTCFVSIQDFDSSAAVSLQVAAPYSKPSMTLEPNKDLRPGNMVITITCSSYQGYPAEVEFW- 178
QY 183 SQVDQGANFSEVNTSFEIASENVTMKVSVLYNVT-INNTYSQMIENDIAK--ATGDIK 239
Db 179 ---KDGQGVPLTGNVTSCMANERGLFDVHSLRVVLGANGTYSCLVRNPLVQDAHSGSVT 235
QY 240 VT 241
Db 236 IT 237

RESULT 10
US-09-620-461-28
; Sequence 28, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620,461
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 28
; LENGTH: 315
; TYPE: PRT
; ORGANISM: Mus
US-09-620-461-28

Query Match 16.7%; Score 238.5; DB 4; Length 315;
Best Local Similarity 26.9%; Pred. No. 4.6e-16;
Matches 65; Conservative 46; Mismatches 112; Indels 19; Gaps 7;

QY 10 WSIISIIIIAGAIILIGFISGRHSITVTTVASAGNIGEDGILSCFP--EPDIKLSDI 67
Db 5 WGGPSVGVCVRTALG-VLCLCTGTGAVEVQVSEDPVVALVDTDTATLRCFSFEPGSLAQ 63
QY 68 VIQWLKEGVGLVHFEKKGKDELSEODEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGT 127
Db 64 NLIWQLTDTKQLVHSFTEGRD---QGSAYSNRTALFPDILLVQGNASLRLQVRVTDGSG 119
QY 128 YKCYIITSKGNANLEYKTGAFSPMPVNVVDYN-----ASSETLRCRAPRFPQPTVVWA 182
Db 120 YTCFVSIQDFDSSAAVSLQVAAPYSKPSMTLEPNKDLRPGNMVITITCSSYQGYPAEVEFW- 178
QY 183 SQVDQGANFSEVNTSFEIASENVTMKVSVLYNVT-INNTYSQMIENDIAK--ATGDIK 239
Db 179 ---KDGQGVPLTGNVTSCMANERGLFDVHSLRVVLGANGTYSCLVRNPLVQDAHSGSVT 235
QY 240 VT 241
Db 236 IT 237

RESULT 11
US-09-910-174B-18
; Sequence 18, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7

;; TITLE OF INVENTION: Family and Uses Thereof
;; FILE REFERENCE: 35800/236924
;; CURRENT APPLICATION NUMBER: US/09/910,174B
;; CURRENT FILING DATE: 2001-07-20
;; PRIOR APPLICATION NUMBER: US 09/620,461
;; PRIOR FILING DATE: 2000-07-20
;; NUMBER OF SEQ ID NOS: 32
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 18
;; LENGTH: 513
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-910-174B-18

Query Match 15.6%; Score 223; DB 4; Length 513;
Best Local Similarity 26.4%; Pred. No. 3.8e-14;
Matches 69; Conservative 44; Mismatches 108; Indels 40; Gaps 10;

QY 35 HSIITVTVASAGNI-----GSDGILSCITPEPIKLSDIVIQWLKEGVLGVHFEKGGKDEL 90
DB 27 HSAQFVSLGSPGPIAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVDGKEVE 86
QY 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVQITDAGTYKCYIITSKGNANLEYKTGAF 150
DB 87 DRQAPYRGRTSILRDGITAGKALRIHNVTASDSGKYLCTFQDGFYEKALVELKVAAL 146
QY 151 SMPFVNVD---YNASSETLRCEAPRFPPTVWASQVQDQANFSEVNTSFPENSENT 207
DB 147 G-SDLHVDVKGKDGHIHLECRSTGWYPQIQWSN--NKGEN---IPTVEAPVVDG 200
QY 208 MKVY--SVLYNVTINNTYSCHIENDIAKATGDIKVTSEIKRSHLQLLNSKASLCVSS- 264
DB 201 LYAVAASVIMRGSGGEGVSCIT-----RSSLIGLEKTASISADP 240
QY 265 FF--AISW--ALLPLSPVLM 281
DB 241 FFRSAQRWIAALARTLPVLL 261

RESULT 12
US-09-620-461-18
;; Sequence 18, Application US/09620461
;; Patent No. 6635750
;; GENERAL INFORMATION:
;; APPLICANT: Coyle, Anthony J.
;; APPLICANT: Fraser, Christopher C.
;; APPLICANT: Manning, Stephen
;; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
;; TITLE OF INVENTION: Family and Uses Thereof
;; FILE REFERENCE: 5800-149
;; CURRENT APPLICATION NUMBER: US/09/620,461
;; CURRENT FILING DATE: 2000-07-20
;; NUMBER OF SEQ ID NOS: 29
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 18
;; LENGTH: 513
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-620-461-18

Query Match 15.6%; Score 223; DB 4; Length 513;
Best Local Similarity 26.4%; Pred. No. 3.8e-14;
Matches 69; Conservative 44; Mismatches 108; Indels 40; Gaps 10;

QY 35 HSIITVTVASAGNI-----GSDGILSCITPEPIKLSDIVIQWLKEGVLGVHFEKGGKDEL 90
DB 27 HSAQFVSLGSPGPIAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVDGKEVE 86
QY 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVQITDAGTYKCYIITSKGNANLEYKTGAF 150
DB 87 DRQAPYRGRTSILRDGITAGKALRIHNVTASDSGKYLCTFQDGFYEKALVELKVAAL 146
QY 151 SMPFVNVD---YNASSETLRCEAPRFPPTVWASQVQDQANFSEVNTSFPENSENT 207

Query Match 15.2%; Score 217.5; DB 2; Length 540;
Best Local Similarity 25.6%; Pred. No. 1.5e-13;
Matches 56; Conservative 45; Mismatches 101; Indels 17; Gaps 7;

QY 35 HSIITVTVASAGNI-----GSDGILSCITPEPIKLSDIVIQWLKEGVLGVHFEKGGKDEL 90
DB 30 HSAQFVSLGSPGPIAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVDGKEVE 89
QY 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVQITDAGTYKCYIITSKGNANLEYKTGAF 150

DB 147 G-SDLHVDVKGKDGHIHLECRSTGWYPQIQWSN--NKGEN---IPTVEAPVVDG 200
QY 208 MKVY--SVLYNVTINNTYSCHIENDIAKATGDIKVTSEIKRSHLQLLNSKASLCVSS- 264
DB 201 LYAVAASVIMRGSGGEGVSCIT-----RSSLIGLEKTASISADP 240
QY 265 FF--AISW--ALLPLSPVLM 281
DB 241 FFRSAQRWIAALARTLPVLL 261

RESULT 13
US-08-724-394A-4
;; Sequence 4, Application US/08724394A
;; Patent No. 5872237
;; GENERAL INFORMATION:
;; APPLICANT: Feder, John N.
;; APPLICANT: Krommal, Gregory S.
;; APPLICANT: Lauer, Peter M.
;; APPLICANT: Ruddy, David A.
;; APPLICANT: Thomas, Winston
;; APPLICANT: Teuchihasi, Zenta
;; APPLICANT: Wolff, Roger K.
;; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
;; TITLE OF INVENTION: Sequences and Antibodies Thereto
;; NUMBER OF SEQUENCES: 31
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94111-3834
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/724,394A
;; FILING DATE: 01-OCT-1996
;; CLASSIFICATION: 536
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fitts, Renee A.
;; REGISTRATION NUMBER: 35,136
;; REFERENCE/DOCKET NUMBER: 017957-000100
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-576-0200
;; TELEFAX: 415-576-0300
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 540 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: not relevant
;; TOPOLOGY: not relevant
;; MOLECULE TYPE: peptide
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 1..540
;; OTHER INFORMATION: /note= "BTF5"
US-08-724-394A-4

Query Match 15.2%; Score 217.5; DB 2; Length 540;
Best Local Similarity 25.6%; Pred. No. 1.5e-13;
Matches 56; Conservative 45; Mismatches 101; Indels 17; Gaps 7;

QY 35 HSIITVTVASAGNI-----GSDGILSCITPEPIKLSDIVIQWLKEGVLGVHFEKGGKDEL 90
DB 30 HSAQFVSLGSPGPIAMVGEDADLPCHLFTPTSAETMELKWSLSLRQVNVNVDGKEVE 89
QY 91 SEQDEMFGRGTAVFADQVIVGNASLRKLVQITDAGTYKCYIITSKGNANLEYKTGAF 150

Db 90 DROSPYRGRTSILRDGITAGKALRIHNVTASDSKYLCTYFQDGFYKALVELKVAAL 149
Qy 151 SMPBVND---YNASSETLRCEAPRFPPTVWASQVDOGANFSEVNTSFLNGENVT 207
Db 150 G-SDLHVDVKGKGGHLECRSTGWTPOQIOWSN--NKGX---IPTVEAPVADGVG 203
Qy 208 MKVV--SVLXNVNTINNTYSCMIENDI--AKATGDIKYTE 242
Db 204 LYAVAASVIMRSGSGEVSCTIRSLGLEKTASISIA 242

RESULT 14
US-09-910-174B-15
; Sequence 15, Application US/09910174B
; Patent No. 6630575
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910,174B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(731)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-910-174B-15

Query Match 15.1%; Score 215.5; DB 4; Length 731;
Best Local Similarity 25.0%; Pred. No. 3.9e-13;
Matches 62; Conservative 49; Mismatches 110; Indels 27; Gaps 9;
Qy 19 LAGAIA-LIIGFGISGRHSITVTVASA-----GNIGEDGILSCTFEPDIKLS 65
Db 1 MASSLAFLLLNFHVS-LFLVQLLTPCSAQFSLVGPSPILAMVGEDADLPCHLFTMSAE 59
Qy 56 DIVIQWLKEGVLGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASRLKNVQLTDA 125
Db 60 TMLRWSSSLRQVNVVYADGKEVEYROSAPYRGRTSILRDGITAGKALRIHNVTASDS 119
Qy 126 GTYKCYIITSKGNANLEYKTGAFSMEPVND---YNASSETLRCEAPRFPPTVWVA 182
Db 120 GKLYCFQHGDFYKAPVELKVAALG-SDLHIEVKGYDDGGIHLCECRSTGWYPOQINWS 178
Qy 183 SQVDOGANFSEVNTSFLNGENVTMKVV--SVLXNVNTINNTYSCMIENDI--AKATGDI 238
Db 179 D--SKGENIPAVEG---PVNVYGVGLYAVPPPVIMTGTSGGVSCTIITNSLLGLEKTASI 233
Qy 239 KVTSEIK 246
Db 234 SIADPFIQ 241

RESULT 15
US-09-620-461-15
; Sequence 15, Application US/09620461
; Patent No. 6635750
; GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. 6635750el Members of the B7
; TITLE OF INVENTION: Family and Uses Thereof

; FILE REFERENCE: 5800-149
; CURRENT APPLICATION NUMBER: US/09/620,461
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 731
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(731)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-620-461-15
Query Match 15.1%; Score 215.5; DB 4; Length 731;
Best Local Similarity 25.0%; Pred. No. 3.9e-13;
Matches 62; Conservative 49; Mismatches 110; Indels 27; Gaps 9;
Qy 19 LAGAIA-LIIGFGISGRHSITVTVASA-----GNIGEDGILSCTFEPDIKLS 65
Db 1 MASSLAFLLLNFHVS-LFLVQLLTPCSAQFSLVGPSPILAMVGEDADLPCHLFTMSAE 59
Qy 66 DIVIQWLKEGVLGLVHEFKEGKDELSEODEMFRGRTAVFADQVIVGNASRLKNVQLTDA 125
Db 60 TMLRWSSSLRQVNVVYADGKEVEYROSAPYRGRTSILRDGITAGKALRIHNVTASDS 119
Qy 126 GTYKCYIITSKGNANLEYKTGAFSMEPVND---YNASSETLRCEAPRFPPTVWVA 182
Db 120 GKLYCFQHGDFYKAPVELKVAALG-SDLHIEVKGYDDGGIHLCECRSTGWYPOQINWS 178
Qy 183 SQVDOGANFSEVNTSFLNGENVTMKVV--SVLXNVNTINNTYSCMIENDI--AKATGDI 238
Db 179 D--SKGENIPAVEG---PVNVYGVGLYAVPPPVIMTGTSGGVSCTIITNSLLGLEKTASI 233
Qy 239 KVTSEIK 246
Db 234 SIADPFIQ 241
Search completed: May 28, 2004, 14:36:43
Job time : 23 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 28, 2004, 14:24:50 ; Search time 61 seconds
(without alignments)
1306.203 Million cell updates/sec

Title: US-10-063-567-60
Perfect score: 1431
Sequence: 1 NASLQQLFWSIISIILIA.....SSFFAISWALLPLSPYLMK 282

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A Geneseq_29Jan04:.*
1: Geneseqp1980s:.*
2: Geneseqp1990s:.*
3: Geneseqp2000s:.*
4: Geneseqp2001s:.*
5: Geneseqp2002s:.*
6: Geneseqp2003as:.*
7: Geneseqp2003bs:.*
8: Geneseqp2004s:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1431	100.0	282	3 AAY66719	Membrane-
2	1431	100.0	282	3 AAB12557	Aab12557 Human ova
3	1431	100.0	282	4 AAU29132	Aau29132 Human PRO
4	1431	100.0	282	4 AAB87555	Aab87555 Human PRO
5	1431	100.0	282	4 AAB99204	Aab99204 Human ova
6	1431	100.0	282	4 AAB55242	Aab55242 Human PRO
7	1431	100.0	282	5 AAE20311	Aae20311 Human B7-
8	1431	100.0	282	5 ABG96445	Abg96445 Human ova
9	1431	100.0	282	5 AAU77766	Aau77766 Tumour as
10	1431	100.0	282	5 ABG95880	Abg95880 Human sec
11	1431	100.0	282	5 AAU76536	Aau76536 Tumour-as
12	1431	100.0	282	5 ABP30901	Abp30901 OeE proce
13	1431	100.0	282	5 ABB76274	Abb76274 Breast BS
14	1431	100.0	282	5 AAE18336	Aae18336 Human B7-
15	1431	100.0	282	5 ABB09879	Abb09879 Amino aci
16	1431	100.0	282	5 AAE19013	Aae19013 Human B7-
17	1431	100.0	282	5 ABUS8508	Abus8508 Human PRO
18	1431	100.0	282	6 ABUS8056	Abus8056 Novel hum
19	1431	100.0	282	6 ABUS4371	Abus4371 Human sec
20	1431	100.0	282	6 ABR6245	Abr6245 Human sec
21	1431	100.0	282	6 ABR65635	Abr65635 Human sec
22	1431	100.0	282	6 ABUS99575	Abus99575 Human sec
23	1431	100.0	282	6 ABUS8057	Abus8057 Human PRO
24	1431	100.0	282	6 ABUS9135	Abus9135 Novel hum
25	1431	100.0	282	6 ABUS2647	Abus2647 Human sec

26	1431	100.0	282	6 ABUS2814	Abus2814 Human PRO
27	1431	100.0	282	6 ABUS9935	Abus9935 Novel hum
28	1431	100.0	282	6 ABR68184	Abr68184 Human sec
29	1431	100.0	282	6 ABUS0566	Abus0566 Human sec
30	1431	100.0	282	6 ABUS96237	Abus96237 Novel hum
31	1431	100.0	282	6 ABUS2668	Abus2668 Human sec
32	1431	100.0	282	6 ABO08745	Abo08745 Human sec
33	1431	100.0	282	6 ABO02797	Abo02797 Human sec
34	1431	100.0	282	6 ABR74951	Abr74951 Human sec
35	1431	100.0	282	6 ABR94713	Abr94713 Human sec
36	1431	100.0	282	6 ABUS3948	Abus3948 Human PRO
37	1431	100.0	282	6 ABUS5686	Abus5686 Human PRO
38	1431	100.0	282	6 ABUS9846	Abus9846 Novel hum
39	1431	100.0	282	6 ABUS98061	Abus98061 Novel hum
40	1431	100.0	282	6 ABUS91767	Abus91767 Novel hum
41	1431	100.0	282	6 ABUS9460	Abus9460 Human PRO
42	1431	100.0	282	6 ABUS6301	Abus6301 Human sec
43	1431	100.0	282	6 ABUS7514	Abus7514 Human sec
44	1431	100.0	282	6 ABUS0542	Abus0542 Human PRO
45	1431	100.0	282	6 ABUS72533	Abus72533 Novel hum

ALIGNMENTS

RESULT 1
AAY66719
ID AAY66719 standard; protein; 282 AA.

XX AC AAY66719;
XX DT 05-APR-2000 (first entry)
XX DE Membrane-bound protein PRO1291.
XX KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
XX KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX OS Homo sapiens.
XX FN WO9963088-A2.
XX PD 09-DEC-1999.
XX PF 02-JUN-1999; 99WO-US012252.
XX PR 02-JUN-1998; 98US-0087607P.
XX PR 02-JUN-1998; 98US-0087609P.
XX PR 03-JUN-1998; 98US-0087759P.
XX PR 04-JUN-1998; 98US-0088021P.
XX PR 04-JUN-1998; 98US-0088025P.
XX PR 04-JUN-1998; 98US-0088028P.
XX PR 04-JUN-1998; 98US-0088029P.
XX PR 04-JUN-1998; 98US-0088030P.
XX PR 04-JUN-1998; 98US-0088033P.
XX PR 05-JUN-1998; 98US-0088326P.
XX PR 05-JUN-1998; 98US-0088167P.
XX PR 05-JUN-1998; 98US-0088202P.
XX PR 05-JUN-1998; 98US-0088212P.
XX PR 05-JUN-1998; 98US-0088217P.
XX PR 09-JUN-1998; 98US-0088655P.
XX PR 10-JUN-1998; 98US-0088722P.
XX PR 10-JUN-1998; 98US-0088730P.
XX PR 10-JUN-1998; 98US-0088734P.
XX PR 10-JUN-1998; 98US-0088738P.
XX PR 10-JUN-1998; 98US-0088740P.
XX PR 10-JUN-1998; 98US-0088741P.
XX PR 10-JUN-1998; 98US-0088742P.
XX PR 10-JUN-1998; 98US-0088810P.
XX PR 10-JUN-1998; 98US-0088811P.
XX PR 10-JUN-1998; 98US-0088824P.
XX PR 10-JUN-1998; 98US-0088825P.

PR	10-JUN-1998;	98US-0088826P.
PR	11-JUN-1998;	98US-0088858P.
PR	11-JUN-1998;	98US-0088861P.
PR	11-JUN-1998;	98US-0088863P.
PR	11-JUN-1998;	98US-0088876P.
PR	12-JUN-1998;	98US-0088903P.
PR	12-JUN-1998;	98US-0088105P.
PR	16-JUN-1998;	98US-0089440P.
PR	16-JUN-1998;	98US-0089512P.
PR	16-JUN-1998;	98US-0089514P.
PR	17-JUN-1998;	98US-0089532P.
PR	17-JUN-1998;	98US-0089538P.
PR	17-JUN-1998;	98US-0089589P.
PR	17-JUN-1998;	98US-0089600P.
PR	17-JUN-1998;	98US-0089606P.
PR	17-JUN-1998;	98US-0089653P.
PR	18-JUN-1998;	98US-0089801P.
PR	18-JUN-1998;	98US-0089907P.
PR	18-JUN-1998;	98US-0089947P.
PR	19-JUN-1998;	98US-0089948P.
PR	19-JUN-1998;	98US-0089952P.
PR	22-JUN-1998;	98US-0090246P.
PR	22-JUN-1998;	98US-0090252P.
PR	22-JUN-1998;	98US-0090254P.
PR	23-JUN-1998;	98US-0090349P.
PR	23-JUN-1998;	98US-0090355P.
PR	24-JUN-1998;	98US-0090423P.
PR	24-JUN-1998;	98US-0090431P.
PR	24-JUN-1998;	98US-0090435P.
PR	24-JUN-1998;	98US-0090444P.
PR	24-JUN-1998;	98US-0090445P.
PR	24-JUN-1998;	98US-0090461P.
PR	24-JUN-1998;	98US-0090472P.
PR	24-JUN-1998;	98US-0090533P.
PR	24-JUN-1998;	98US-0090538P.
PR	24-JUN-1998;	98US-0090540P.
PR	24-JUN-1998;	98US-0090557P.
PR	25-JUN-1998;	98US-0090676P.
PR	25-JUN-1998;	98US-0090678P.
PR	25-JUN-1998;	98US-0090688P.
PR	25-JUN-1998;	98US-0090690P.
PR	25-JUN-1998;	98US-0090691P.
PR	25-JUN-1998;	98US-0090694P.
PR	25-JUN-1998;	98US-0090695P.
PR	25-JUN-1998;	98US-0090696P.
PR	26-JUN-1998;	98US-0090862P.
PR	26-JUN-1998;	98US-0090863P.
PR	01-JUL-1998;	98US-0091358P.
PR	01-JUL-1998;	98US-0091360P.
PR	02-JUL-1998;	98US-0091478P.
PR	02-JUL-1998;	98US-0091486P.
PR	02-JUL-1998;	98US-0091519P.
PR	02-JUL-1998;	98US-0091544P.
PR	02-JUL-1998;	98US-0091626P.
PR	02-JUL-1998;	98US-0091628P.
PR	02-JUL-1998;	98US-0091633P.
PR	02-JUL-1998;	98US-0091646P.
PR	02-JUL-1998;	98US-0091673P.
PR	07-JUL-1998;	98US-0091978P.
PR	07-JUL-1998;	98US-0091982P.
PR	09-JUL-1998;	98US-0092182P.
PR	20-JUL-1998;	98US-0092472P.
PR	20-JUL-1998;	98US-0093339P.
PR	04-AUG-1998;	98US-0095282P.
PR	04-AUG-1998;	98US-0095285P.
PR	04-AUG-1998;	98US-0095301P.
PR	04-AUG-1998;	98US-0095302P.
PR	04-AUG-1998;	98US-0095318P.
PR	04-AUG-1998;	98US-0095321P.
PR	04-AUG-1998;	98US-0095325P.
PR	10-AUG-1998;	98US-0095316P.
PR	10-AUG-1998;	98US-0095929P.
PR	10-AUG-1998;	98US-0096012P.
PR	11-AUG-1998;	98US-0096143P.
PR	11-AUG-1998;	98US-0096146P.
PR	12-AUG-1998;	98US-0096329P.
PR	17-AUG-1998;	98US-0096757P.
PR	17-AUG-1998;	98US-0096766P.
PR	17-AUG-1998;	98US-0096768P.
PR	17-AUG-1998;	98US-0096773P.
PR	17-AUG-1998;	98US-0096791P.
PR	17-AUG-1998;	98US-0096867P.
PR	17-AUG-1998;	98US-0096891P.
PR	17-AUG-1998;	98US-0096894P.
PR	17-AUG-1998;	98US-0096895P.
PR	18-AUG-1998;	98US-0096897P.
PR	18-AUG-1998;	98US-0096949P.
PR	18-AUG-1998;	98US-0096950P.
PR	18-AUG-1998;	98US-0096953P.
PR	18-AUG-1998;	98US-0096960P.
PR	19-AUG-1998;	98US-0097022P.
PR	20-AUG-1998;	98US-0097141P.
PR	24-AUG-1998;	98US-0097661P.
PR	26-AUG-1998;	98US-0097951P.
PR	26-AUG-1998;	98US-0097952P.
PR	26-AUG-1998;	98US-0097954P.
PR	26-AUG-1998;	98US-0097955P.
PR	26-AUG-1998;	98US-0097971P.
PR	26-AUG-1998;	98US-0097974P.
PR	26-AUG-1998;	98US-0097978P.
PR	26-AUG-1998;	98US-0097979P.
PR	26-AUG-1998;	98US-0097986P.
PR	31-AUG-1998;	98US-0098014P.
PR	16-SEP-1998;	98US-0098525P.
PR	12-JAN-1999;	98US-0100634P.
XX		98US-0115565P.
PA	(GETH) GENENTECH INC.	
XX	Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;	
PI	Wood WI, Yuan J;	
XX	WPI; 2000-072883/06.	
DR	N-PSDB; AAZ65059.	
XX	Membrane-bound proteins and related nucleotide sequences.	
XX	Claim 12; Fig 208; 822pp; English.	
CC	The invention provides membrane-bound PRO polypeptides and polynucleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE ligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. PRO nucleic acid sequences will also be useful for the preparation of PRO polypeptides, especially by recombinant techniques	
SQ	Sequence 282 AA;	
Query Match 100.0%; Score 1431; DB 3; Length 282;		
Best Local Similarity 100.0%; Pred. No. 3.9e-118; Gaps 0;		
Matches 282; Conservative 0; Mismatches 0; Indels 0;		
OY	1 MASIGQLFWSIIIIILAGALIIIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60	
DB	1 MASIGQLFWSIIIIILAGALIIIGFISGRHSITVTTVASAGNIGDGLSCTFEP 60	

Db 1 MASLGQLFWISIIIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRKNV 120
Qy 121 QLTDAQTYKCYIIITSKGGKGNANLEYKTGAFSPMEVNVYDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAQTYKCYIIITSKGGKGNANLEYKTGAFSPMEVNVYDYNASSETLRCEAPRFPQPTVV 180
Qy 181 WASQVDQGANFSEVNTSFEINSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDQGANFSEVNTSFEINSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESEIKRSHLQLLNSKASLCVSSFFFAISWALLPLSPYMLK 282
Db 241 TESEIKRSHLQLLNSKASLCVSSFFFAISWALLPLSPYMLK 282

RESULT 3
AAU29132

ID AAU29132 standard; protein; 282 AA.

XX AC AAU29132;

XX DT 18-DEC-2001 (first entry)

XX DE Human PRO polypeptide sequence #109.

XX KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
XX KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
XX KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
XX KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.

XX OS Homo sapiens.

XX PN WO200168848-A2.

XX PD 20-SEP-2001.

XX PF 28-FEB-2001; 2001WO-US006520.

XX PR 01-MAR-2000; 2000WO-US005601.
XX PR 02-MAR-2000; 2000WO-US005841.
XX PR 03-MAR-2000; 2000US-0187202P.
XX PR 06-MAR-2000; 2000US-0186968P.
XX PR 14-MAR-2000; 2000US-0189328P.
XX PR 15-MAR-2000; 2000US-0189328P.
XX PR 15-MAR-2000; 2000WO-US006884.
XX PR 21-MAR-2000; 2000US-0190828P.
XX PR 21-MAR-2000; 2000US-0191007P.
XX PR 21-MAR-2000; 2000US-0191049P.
XX PR 21-MAR-2000; 2000US-0191314P.
XX PR 28-MAR-2000; 2000US-0192655P.
XX PR 29-MAR-2000; 2000US-0193032P.
XX PR 29-MAR-2000; 2000US-0193053P.
XX PR 30-MAR-2000; 2000WO-US008439.
XX PR 04-APR-2000; 2000US-0194449P.
XX PR 11-APR-2000; 2000US-0194647P.
XX PR 11-APR-2000; 2000US-0195975P.
XX PR 11-APR-2000; 2000US-0196000P.
XX PR 11-APR-2000; 2000US-0196187P.
XX PR 11-APR-2000; 2000US-0196690P.
XX PR 11-APR-2000; 2000US-0196820P.
XX PR 18-APR-2000; 2000US-0198121P.
XX PR 18-APR-2000; 2000US-0198585P.
XX PR 25-APR-2000; 2000US-0199397P.
XX PR 25-APR-2000; 2000US-0199550P.
XX PR 25-APR-2000; 2000US-0199654P.
XX PR 03-MAY-2000; 2000US-0201516P.
XX PR 17-MAY-2000; 2000WO-US013705.
XX PR 22-MAY-2000; 2000WO-US014042.

Qy 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIOWLKEGVLGVHFEKGEKDELSEODEMFRGRTAVFADQVIVGNASLRKNV 120
Qy 121 QLTDAQTYKCYIIITSKGGKGNANLEYKTGAFSPMEVNVYDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAQTYKCYIIITSKGGKGNANLEYKTGAFSPMEVNVYDYNASSETLRCEAPRFPQPTVV 180
Qy 181 WASQVDQGANFSEVNTSFEINSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Db 181 WASQVDQGANFSEVNTSFEINSENVTMKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Qy 241 TESEIKRSHLQLLNSKASLCVSSFFFAISWALLPLSPYMLK 282
Db 241 TESEIKRSHLQLLNSKASLCVSSFFFAISWALLPLSPYMLK 282

RESULT 2

AAU29132

ID AAB12557 standard; protein; 282 AA.

XX AC AAB12557;

XX DT 07-NOV-2000 (first entry)

XX DE Human ovarian carcinoma antigen O8E protein SEQ ID NO:393.

XX KW Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
XX KW tumour antigen; identification; cytostatic; gene therapy; vaccine.

XX OS Homo sapiens.

XX PN WO200036107-A2.

XX PD 22-JUN-2000.

XX PF 17-DEC-1999; 99WO-US030270.

XX PR 17-DEC-1998; 98US-00215681.

XX PR 17-DEC-1998; 98US-00216003.

XX PR 23-JUN-1999; 99US-00338933.

XX PR 24-SEP-1999; 99US-00404879.

XX PA (CORI-) CORIXA CORP.

XX PI Mitcham JL, King GE, Algate PA, Frudakis TN;

XX DR WPI; 2000-431589/37.

XX PT Immunogenic portion of an ovarian carcinoma protein and the nucleic acid

XX PT encoding it, useful for the diagnosis, prevention and treatment of

XX PT cancer, preferably ovarian cancer.

XX PS Example 2; Page 207; 299pp; English.

CC The present invention describes an isolated polypeptide comprising an
CC immunogenic portion of an ovarian carcinoma protein (or its variants).
CC Ovarian carcinoma proteins, and polynucleotides encoding them, have
CC cytostatic activity, and can be used in gene therapy and vaccines. Ovarian
CC carcinoma polypeptides, nucleic acids, antibodies and vaccines are useful
CC for the prevention, diagnosis and treatment of cancer, preferably ovarian
CC cancer. AAA69691 to AAA70077 and AAB12552 to AAB12557 represent human
CC ovarian carcinoma polynucleotides and proteins used in the
CC exemplification of the present invention

XX SQ Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 3; Length 282;

Best Local Similarity 100.0%; Pred. No. 3.9e-118;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASLGQLFWISIIIIILAGAIALLIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60

30-MAY-2000; 2000WO-US014941.
 02-JUN-2000; 2000WO-US015264.
 05-JUN-2000; 2000US-0209832P.
 28-JUL-2000; 2000WO-US020710.
 22-AUG-2000; 2000US-00644848.
 24-AUG-2000; 2000WO-US023328.
 08-NOV-2000; 2000WO-US030952.
 01-DEC-2000; 2000WO-US032678.
 20-DEC-2000; 2000WO-US034956.
 (GETH) GENENTECH INC.
 Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
 Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
 WPI; 2001-602746/68.
 N-PSDB; AAS46033.
 Novel nucleic acids encoding PRO polypeptides, used to diagnose the
 presence of tumors, such as prostate and breast tumors, in mammals and to
 screen for modulators of the compounds.
 Claim 11; Fig 218; 774pp; English.
 Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
 The PRO polypeptides and their associated nucleic acids can be used to
 detect the presence of a tumour in a mammal by comparing the level of
 expression of a PRO polypeptide in a test sample of cells from the animal
 and a control sample of normal cells, whereby a higher level of
 expression in the test sample indicates the presence of a tumour in the
 animal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
 and rabbits but are preferably human. The polypeptides can be used to
 stimulate tumour necrosis factor (TNF) alpha release from human blood,
 when contacted with it. A specific polypeptide can be used to stimulate
 the proliferation or differentiation of chondrocyte cells. The PRO
 proteins can be used to determine the presence of tumours and also
 susceptibility to tumour development, particularly adrenal, lung, colon,
 breast, prostate, rectal, cervical, or liver tumours, in mammalian
 subjects. The oligonucleotide probes specific for the PRO nucleic acids
 can be used for genetic analysis of individuals with genetic disorders

15-MAY-2001 (first entry)
 Human PRO1291.
 Human; PRO protein; mapping.
 Homo sapiens.
 WO200116318-A2.
 08-MAR-2001.
 24-AUG-2000; 2000WO-US023328.
 01-SEP-1999; 99WO-US020111.
 15-SEP-1999; 99WO-US021090.
 07-DEC-1999; 99US-0169495P.
 09-DEC-1999; 99US-0170262P.
 11-JAN-2000; 2000US-0175481P.
 18-FEB-2000; 2000WO-US004341.
 18-FEB-2000; 2000WO-US004342.
 22-FEB-2000; 2000WO-US004414.
 01-MAR-2000; 2000WO-US005601.
 03-MAR-2000; 2000US-0187202P.
 10-MAR-2000; 2000WO-US008439.
 20-MAR-2000; 2000US-019397P.
 25-APR-2000; 2000US-019397P.
 22-MAY-2000; 2000WO-US014042.
 05-JUN-2000; 2000US-0209832P.
 (GETH) GENENTECH INC.
 Baton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
 Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI,
 WPI; 2001-183260/18.
 N-PSDB; AAF92087.
 Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
 biology, including use as hybridization probes, and in chromosome and
 gene mapping.
 Claim 12; Fig 60; 278pp; English.
 The present sequence is a human PRO polypeptide (secreted and
 transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
 anti-PRO antibodies are useful for preparation of a medicament useful in
 the treatment of a condition which is responsive to the PRO protein,
 agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
 employed as molecular weight markers for protein electrophoresis. The PRO
 coding sequence has applications in molecular biology, including use as
 hybridisation probes, and in chromosome and gene mapping

RESULT 4
 AAB87555
 ID AAB87555 standard; protein; 282 AA.
 XX
 AC AAB87555;

```
Db 181 WASQVDOGANFSEVSNTPFELNSENVTKVSVLYNVNTINNTYSCMIENDIAKATGDIKV 240
OY 241 TESIIRKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
Db 241 TESIIRKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 5
AAB99204 ID AAB99204 standard; protein; 282 AA.
XX AC AAB99204;
XX DT 04-SEP-2001 (first entry)
XX DE Human ovarian tumour derived antigen O88 #1.
XX KW Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
XX KW antigen; O88.
XX OS Homo sapiens.
XX PN WO200140269-A2.
XX PD 07-JUN-2001.
XX PF 29-NOV-2000; 2000WO-US032520.
XX PR 30-NOV-1999; 99US-00451651.
XX PR 22-FEB-2000; 2000US-00510662.
XX PR 10-MAR-2000; 2000US-00523586.
XX PR 07-APR-2000; 2000US-00545068.
XX PR 15-MAY-2000; 2000US-00571025.
XX PA (CORI-) CORIXA CORP.
XX PI Dillon DC, Day CH, Jiang Y, Houghton RL, Mitcham JL, Wang A;
XX DR WPI; 2001-356154/37.
XX DR N-PSDB; AAB55681.
XX PT Breast tumor polypeptides and the nucleic acids that encode them, useful
XX PT for the prevention, diagnosis and treatment of breast cancer.
XX PS Example 3; Page 190; 221pp; English.
XX SQ

The present invention relates to human breast tumour protein coding
sequences (see AAB55479-AAH55513, AAB55517-AAH55679 and AAB55682-
AAH55762). The breast tumour protein DNA sequences may be used in the
prevention, diagnosis and treatment of diseases associated with
inappropriate expression of the breast tumour protein e.g. breast cancer.
The present sequence is a human ovarian tumour-derived antigen, which was
used in an example from the present invention

Query Match 100.0%; Score 1431; DB 4; Length 282;
Best Local Similarity 100.0%; Pred No. 3 9e-118;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MASLGQILFWSIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLGQILFWSIISIIILAGAILIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
OY 61 DIKLSDIVIOMKEGVLGVHEFKGKDELSEQDEMERGRTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIOMKEGVLGVHEFKGKDELSEQDEMERGRTAVFADQVIVGNASLRKNV 120
OY 121 QLTDAAGTKVCIITISKKGANLKYKTGAFSMPENVNDYNASSETLRCEAPRFPQPTVV 180
Db 121 QLTDAAGTKVCIITISKKGANLKYKTGAFSMPENVNDYNASSETLRCEAPRFPQPTVV 180

RESULT 6
AAB65242 ID AAB65242 standard; protein; 282 AA.
XX AC AAB65242;
XX DT 02-APR-2001 (first entry)
XX DE Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
XX KW Human; secreted and transmembrane protein; PRO; cytostatic; cell death;
XX KW cancer; chromosomal mapping; gene mapping; tissue typing;
XX KW diagnostic assay.
XX OS Homo sapiens.
XX PN WO200073454-A1.
XX PD 07-DEC-2000.
XX PF 30-MAR-2000; 2000WO-US008439.
XX PR 02-JUN-1999; 99WO-US012252.
XX PR 23-JUN-1999; 99US-0141037P.
XX PR 07-JUL-1999; 99US-0143048P.
XX PR 20-JUL-1999; 99US-0144758P.
XX PR 26-JUL-1999; 99US-0145698P.
XX PR 28-JUL-1999; 99US-0146222P.
XX PR 17-AUG-1999; 99US-0149396P.
XX PR 15-SEP-1999; 99WO-US021090.
XX PR 15-SEP-1999; 99WO-US021547.
XX PR 08-OCT-1999; 99US-0158663P.
XX PR 30-NOV-1999; 99WO-US028313.
XX PR 01-DEC-1999; 99WO-US028301.
XX PR 16-DEC-1999; 99WO-US030095.
XX PR 20-DEC-1999; 99WO-US030911.
XX PR 05-JAN-2000; 2000WO-US000219.
XX PR 06-JAN-2000; 2000WO-US000376.
XX PR 11-FEB-2000; 2000WO-US003565.
XX PR 18-FEB-2000; 2000WO-US004341.
XX PR 22-FEB-2000; 2000WO-US004414.
XX PR 24-FEB-2000; 2000WO-US004914.
XX PR 24-FEB-2000; 2000WO-US005004.
XX PR 02-MAR-2000; 2000WO-US005841.
XX PR 15-MAR-2000; 2000WO-US006884.
XX PR 20-MAR-2000; 2000WO-US007377.
XX PA (GETH ) GENENTECH INC.
XX PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
XX PI Grimaldi CJ, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;
XX PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
XX PI Zhang Z;
XX DR WPI; 2001-032160/04.
XX DR N-PSDB; AAB44205.
XX PT PRO polynucleotides used to produce polypeptides used to target bioactive
XX PT molecules such as toxins, radiolabels or antibodies, to specific cells,
XX PT to cause targeted cell death.
XX PS Claim 12; Fig 208; 935pp; English.
XX SQ
```

CC The present invention describes human secreted and transmembrane PRO
CC proteins. The PRO proteins have cytosolic activity. The PRO proteins can
CC be used for targeted delivery of bioactive molecules, such as toxins,
CC radiolabels or antibodies, that cause cell death. PRO nucleotide
CC sequences, and their fragments, can be used as hybridisation probes, in
CC chromosomal and gene mapping, and in the generation of anti-sense RNA and
CC DNA. They may also be used to produce transgenic animals which are used
CC to develop and screen therapeutically useful reagents. The PRO nucleotide
CC and protein sequence can be used for tissue typing and in treating
CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to
CC AAF4470 represent PCR primers and hybridisation probes used in the
CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAF65154 to
CC AAB65300 represent human PRO polynucleotide and protein sequences given
CC in the exemplification of the present invention
XX
XX
XX Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 4; Length 282;
Best Local Similarity 100.0%; Pred. No. 3.9e-118; Mismatches 0; Indels 0; Gaps 0;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASLGQILFWSIISIIIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP 60
DB 1 MASLGQILFWSIISIIIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP 60
QY 61 DIKLSDIVIQWLKEGVGLVHFEKKGDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120
DB 61 DIKLSDIVIQWLKEGVGLVHFEKKGDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120
QY 121 QLTDAQTYKCYIITSKGNANLEYKTGAFSPMEVNDVYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAQTYKCYIITSKGNANLEYKTGAFSPMEVNDVYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVDQGANFSEVNSVNTSFEINSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240
DB 181 WASQVDQGANFSEVNSVNTSFEINSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240
QY 241 TSEIKRRSHLQLLNSKASLCVSSFFPAISWALLPLSPYLMK 282
DB 241 TSEIKRRSHLQLLNSKASLCVSSFFPAISWALLPLSPYLMK 282

RESULT 7

AAE20311 standard; protein; 282 AA.

AC AAE20311;

DT 18-JUN-2002 (first entry)

DE Human B7-H8 protein #1.

XX Human; B7-like protein; inflammation; tissue damage; immune disorder;
KW Addison's disease; autoimmune haemolytic anaemia; autoimmune thyroiditis;
KW diabetes mellitus; Crohn's disease; multiple sclerosis; allergy; cancer;
KW rheumatoid arthritis; cardiovascular disorder; nervous system disorder;
KW myocardial ischaemia; ulcerative colitis; reproductive system disorder;
KW Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis;
KW diabetes mellitus; Grave's disease; Paget's disease; liver disorder;
KW gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia;
KW dysphagia; hepatomegaly; neurological disease; infectious disease;
KW epilepsy; gene therapy; B7-H8 protein; chromosome 1.

XX Homo sapiens.

OS Location/Qualifiers

FT Key 1..24

FT Peptide /label=Signal_peptide

FT Protein 25..282

FT /note="Mature B7-H8 protein"

PN WO200202587-A1.

XX

PD 10-JAN-2002.

XX 29-JUN-2001; 2001WO-US020917.

XX 30-JUN-2000; 2000US-0215135P.

PR 14-AUG-2000; 2000US-0225266P.

XX (HUMA-) HUMAN GENOME SCI INC.

XX Fiscella M, Ni J, Ruben SM;

XX WPI; 2002-257198/30.

DR N-PSDB; AAD34519.

XX Isolated nucleic acids encoding human B7-like polypeptides, useful for
PT diagnosis and treatment of e.g. inflammation, cancer, immune disorders
PT such as Addison's disease, and cardiovascular disorders such as
PT myocardial ischaemias.

XX Example 1; Fig 1; 493pp; English.

XX The present invention relates to novel human B7-like polypeptides and
CC polynucleotides encoding such proteins. Sequences of the invention are
CC used for preventing, treating or ameliorating a medical condition in a
CC mammalian subject. The polynucleotides and polypeptides are administered
CC to subjects having a disorder related to B-7 like polypeptides, such as
CC inappropriate or excessive inflammation which can lead to tissue damage
CC or even death, where the inflammation is brought about by the activation
CC of certain cells in the body e.g. T cells and may involve disorders
CC related to immune system. The nucleic acids, proteins, antibodies,
CC agonists and antagonists of the invention are useful in the diagnosis,
CC treatment and prevention of cancer (e.g. cancers of the adrenal gland,
CC bone, bone marrow, breast, gastrointestinal tract, liver, urogenital or
CC lung), immune disorders (e.g. Addison's disease, allergies, autoimmune
CC haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's
CC disease, multiple sclerosis, rheumatoid arthritis, ulcerative colitis),
CC cardiovascular disorders (e.g. myocardial ischaemias), nervous system
CC disorders (Alzheimer's disease, Parkinson's disease), endocrine disorders
CC (e.g. diabetes mellitus, Grave's disease), reproductive system disorders
CC (e.g. cryptorchism, Paget's disease), gastrointestinal disorders (e.g.,
CC dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatitis,
CC hepatomegaly), neurological diseases (e.g. cerebral anoxia and epilepsy)
CC and infectious diseases such as viral, bacterial, fungal and parasitic
CC infections. Sequences of the invention are also used in gene therapy. The
CC present sequence is human B7-H8 protein. B7-H8 gene is located on
CC chromosome 1

XX Sequence 282 AA;

Query Match 100.0%; Score 1431; DB 5; Length 282;

Best Local Similarity 100.0%; Pred. No. 3.9e-118; Mismatches 0; Gaps 0;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASLGQILFWSIISIIIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP 60

DB 1 MASLGQILFWSIISIIIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTPEP 60

QY 61 DIKLSDIVIQWLKEGVGLVHFEKKGDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120

DB 61 DIKLSDIVIQWLKEGVGLVHFEKKGDELSEODEMFRGRTAVFADQVIVGNASRLKNV 120

QY 121 QLTDAQTYKCYIITSKGNANLEYKTGAFSPMEVNDVYNASSETLRCEAPRFPQPTVV 180

DB 121 QLTDAQTYKCYIITSKGNANLEYKTGAFSPMEVNDVYNASSETLRCEAPRFPQPTVV 180

QY 181 WASQVDQGANFSEVNSVNTSFEINSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240

DB 181 WASQVDQGANFSEVNSVNTSFEINSENVTMKVSVLVNVTINNTYSCHIENDIAKATGDIKV 240

QY 241 TSEIKRRSHLQLLNSKASLCVSSFFPAISWALLPLSPYLMK 282

DB 241 TSEIKRRSHLQLLNSKASLCVSSFFPAISWALLPLSPYLMK 282

FT Region 216..220
FT /label= N-glycosylation_site
FT 220..224
FT /label= N-glycosylation_site
FT 258..282
FT /label= Transmembrane_domain
XX WO200216581-A2.
PN 28-FEB-2002.
XX 14-AUG-2001; 2001WO-US025464.
XX 24-AUG-2000; 2000WO-US023328.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-JUN-2001; 2001US-00888257.
XX 22-JUN-2001; 2001WO-US020118.
XX (GETH) GENENTECH INC.
XX Gao W, Polakis P, Shou J, Smith V, Soriano R, Williams PM;
FI Wu TD, Zhang Z;
XX WPI; 2002-280928/32.
DR N-PSDB; ABK11744.
XX Novel isolated antibody which binds to tumor-associated antigenic target
PT polypeptide useful for killing cancer cells expressing the polypeptide
PT and for treating tumor comprising cells that expresses the polypeptide.
PS Claim 2; Fig 8; 123pp; English.
XX The invention describes an isolated antibody which binds to a tumour-
CC associated antigenic target (TAT) polypeptide. The antibody is useful
CC for: killing a cancer cell (such as a breast, colorectal, lung, ovarian,
CC central nervous system, liver, bladder, pancreatic, cervical, melanoma or
CC leukaemia cell) that expresses a polypeptide with at least 80% identity
CC to the TAT polypeptide sequence; treating a tumour comprising cells that
CC express a polypeptide with at least 80% identity to the TAT polypeptide
CC sequence; determining the presence of a polypeptide having at least 80 %
CC identity to the TAT polypeptide sequence in a sample suspected of
CC containing the polypeptide; diagnosing the presence of a tumour in a
CC mammal; and for antibody dependent enzyme mediated prodrug therapy
CC (ADPPT). This is the amino acid sequence of the tumour associated
CC antigenic target polypeptide (TAT) 136, described in the invention
XX
SQ Sequence 282 AA;
Query Match 100.0%; Score 1431; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. No. 3.9e-118; Mismatches 0; Gaps 0;
Matches 282; Conservative 0; Indels 0;
QY 1 MASLQQLFWSIIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1 MASLQQLFWSIIISIIILAGAILIIGFISGRHSITVTTVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIQMLKEGVGLVHFEKKGKDELSEQDEMPFRGRTAVFADQVIVGNASLRKNV 120
Db 61 DIKLSDIVIQMLKEGVGLVHFEKKGKDELSEQDEMPFRGRTAVFADQVIVGNASLRKNV 120
QY 121 QLTADGTYKCYLIITSGKGNANLEYKTGFASMPENVVDYNASSETLRCEAPRWFPPQPTVV 180
Db 121 QLTADGTYKCYLIITSGKGNANLEYKTGFASMPENVVDYNASSETLRCEAPRWFPPQPTVV 180
QY 181 WASQVDQGANFSEVNTSFGELNSENVTKWVSVLNVNTNTYSCHIENDAKATGDIKY 240
Db 181 WASQVDQGANFSEVNTSFGELNSENVTKWVSVLNVNTNTYSCHIENDAKATGDIKY 240
QY 241 TSEIKRRSHLQLLNKSASLCVSSPFAISWALLPLSPYMLK 282
Db 241 TSEIKRRSHLQLLNKSASLCVSSPFAISWALLPLSPYMLK 282

RESULT 10
ABG95880
ID ABG95880 standard; protein; 282 AA.
XX
AC ABG95880;
XX
DT 10-DEC-2002 (first entry)
XX
XX Human secreted/transmembrane protein PRO1291.
DE Human; secreted protein; transmembrane protein; antirheumatic;
KW antiarthritic; osteopathic; sports-related joint problem;
KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.
XX
OS Homo sapiens.
XX
XX US2002119130-A1.
XX
XX 29-AUG-2002.
XX
XX 06-DEC-2001; 2001US-00006867.
XX
XX 29-OCT-1997; 97US-0063435P.
PR 29-OCT-1997; 97US-0064215P.
PR 22-APR-1998; 98US-0082797P.
PR 29-APR-1998; 98US-0083495P.
PR 15-MAY-1998; 98US-0085579P.
PR 02-JUN-1998; 98US-0087759P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088030P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 11-JUN-1998; 98US-0088825P.
PR 11-JUN-1998; 98US-0088863P.
PR 12-JUN-1998; 98US-0088105P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089653P.
PR 19-JUN-1998; 98US-0089952P.
PR 23-JUN-1998; 98US-0090246P.
PR 24-JUN-1998; 98US-0090444P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 02-JUL-1998; 98US-0091628P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 28-AUG-1998; 98US-0097354P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097979P.
PR 01-SEP-1998; 98US-0098749P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099792P.
PR 10-SEP-1998; 98US-0099812P.
PR 10-SEP-1998; 98US-0099815P.
PR 16-SEP-1998; 98US-0100627P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100662P.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100930P.
PR 22-SEP-1998; 98US-0101279P.
PR 22-SEP-1998; 98US-0101475P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101916P.
PR 30-SEP-1998; 98US-0102570P.
PR 06-OCT-1998; 98US-0103449P.

08-MAR-1999; 99WO-US005028.
 14-MAY-1999; 99WO-US010733.
 02-JUN-1999; 99WO-US012252.
 01-SEP-1999; 99WO-US020111.
 15-SEP-1999; 99WO-US021090.
 12-SEP-1999; 99WO-US021194.
 22-DEC-1999; 99WO-US030720.
 18-FEB-2000; 2000WO-US004341.
 18-FEB-2000; 2000WO-US004342.
 22-FEB-2000; 2000WO-US004414.
 01-MAR-2000; 2000WO-US005601.
 30-MAR-2000; 2000WO-US008439.
 22-MAY-2000; 2000WO-US014042.
 02-JUN-2000; 2000WO-US015264.
 23-AUG-2000; 2000WO-US023522.
 24-AUG-2000; 2000WO-US023328.
 10-NOV-2000; 2000WO-US030873.
 01-DEC-2000; 2000WO-US032378.
 20-DEC-2000; 2000WO-US034956.
 28-FEB-2001; 2001WO-US006520.
 01-MAR-2001; 2001WO-US006666.
 30-MAY-2001; 2001WO-US017443.
 01-JUN-2001; 2001WO-US017800.
 20-JUN-2001; 2001WO-US019692.
 29-JUN-2001; 2001WO-US021066.
 09-JUL-2001; 2001WO-US021735.
 (GETH) GENENTECH INC.
 Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
 Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
 WPI: 2002-731348/79.
 N-PSDB; ABS74407.
 New isolated secreted and transmembrane PRO polypeptide useful for
 modulating biological activity of a cell, or for treating sports-related
 joint problems, osteoarthritis or rheumatoid arthritis.
 Claim 20; Fig 60; 399pp; English.
 The invention relates to an isolated secreted and transmembrane PRO
 polypeptide having 80 % sequence identity to a sequence appearing as
 ABG5981-ABG5934 or their associated signal peptide, or a sequence of an
 extracellular domain of the proteins with their associated signal peptide
 or lacking its associated signal peptide. Also included are the nucleic
 acids encoding the proteins, vectors, host cells, fusion proteins and
 antibodies which specifically bind to the proteins. The proteins are
 useful for detecting a polypeptide designated as A, B, C or D in a sample
 suspected of containing an A, B, C or D polypeptide, by contacting the
 sample with a polypeptide designated as E, F, G, H or I (or vice versa)
 and determining the formation of a A/E, B/F, B/G, C/H or D/I polypeptide
 conjugate in the sample, where the formation of the conjugate is
 indicative of the presence of an A, B, C or D polypeptide in the sample,
 where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a
 PRO10096 polypeptide, D is a PRO19760 polypeptide, E is a PRO35801
 polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a
 PRO20233 polypeptide and I is a PRO1890 polypeptide. The sample comprises
 a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G,
 H or I polypeptide is labeled with a detectable label or is attached to a
 solid support. The proteins are useful for linking a bioactive molecule
 to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,
 H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.
 The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,
 or I, or antibodies against them are useful for modulating a biological
 activity of a cell expressing a polypeptide designated as A, B, C or D or
 E, F, G, H, or I. The cell is killed. The proteins are useful for
 identifying agonists or antagonists, for the preparation of a medicament
 useful in the treatment of a condition which is responsive to the
 proteins, as molecular weight markers for protein electrophoresis
 purposes, and as therapeutic agents for treating sports-related joint
 problems, articular cartilage defects, osteoarthritis or rheumatoid
 arthritis. Nucleic acids encoding the proteins are useful as

FT Modified-site 205..209 /note= "Asn is N-glycosylated"

FT Modified-site 216..220 /note= "Asn is N-glycosylated"

FT Modified-site 220..224 /note= "Asn is N-glycosylated"

FT Domain 258..281 /note= "Transmembrane domain"

FT W02000216429-A2.

XX 28-FEB-2002.

XX 22-JUN-2001; 2001WO-US020118.

XX 24-AUG-2000; 2000WO-US023328.

PR 26-SEP-2000; 2000US-0235451P.

PR 01-DEC-2000; 2000WO-US032678.

PR 28-FEB-2001; 2001WO-US006520.

PR 01-MAR-2001; 2001WO-US006666.

XX (GETH) GENENTECH INC.

XX Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Polakis P, Smith V;

PI Wood WI, Wu TD, Zhang Z;

XX WPI; 2002-280917/32.

DR N-PSDB; ABK11091.

XX Novel isolated tumor-associated antigenic target polypeptides which are

PT useful as targets for cancer therapy and diagnosis in mammals.

XX Claim 12; Fig 8; 121pp; English.

XX The invention relates to an isolated tumour-associated antigenic target

CC polypeptide (TAT) (I), specifically TAT134-TAT138 polypeptides, and the

CC polynucleotides (II) encoding them. (II) is useful for diagnosing the

CC presence of a tumour in a mammal, where the level of expression of (II)

CC is indicative on the presence of tumour in the mammal from which the test

CC sample was obtained. Antibody to (I) is useful for killing a cancer cell

CC (e.g. breast cancer cell, a colorectal cancer cell, a lung cancer cell,

CC an ovarian cancer cell, a central nervous system (CNS) cancer cell, a

CC liver cancer cell, a bladder cancer cell, a pancreatic cancer cell, a

CC melanoma cell or a leukaemia cell) that expresses (I). Oligonucleotides

CC hybridising to (II) are useful as diagnostic probes, antisense

CC oligonucleotide probes or for encoding fragments of full length TAT

CC polypeptide. (II) is also useful in chromosome and gene mapping and in

CC the generation of antisense RNA and DNA probes, for constructing

CC hybridisation probes for mapping the gene encoding TAT and for genetic

CC analysis of individuals with genetic disorders. (II) is also useful for

CC generating either transgenic animals or knockout animals, and in gene

CC therapy. The TAT polypeptides and nucleic acids may also be used for

CC tissue typing and the TAT polypeptides are useful for screening compounds

CC that mimic the TAT polypeptide (agonist) or prevent the effect of TAT

CC polypeptide (antagonist). The antibody is useful for staging TAT

CC polypeptide-expressing cancers, purifying or immunoprecipitating TAT

CC polypeptide from cells for detection and quantitation of TAT polypeptide

CC in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or

CC Western blot. The antibodies are also useful for treating a TAT-

CC expressing cancer or alleviating one or more symptoms of cancer in a

CC mammal. The present sequence represents the amino acid sequence of TAT136

XX Sequence 282 AA;

SQ Query Match 100.0%; Score 1431; DB 5; Length 282;

Best Local Similarity 100.0%; Pred. No. 3.9e-118; Indels 0; Gaps 0;

Matches 282; Conservative 0; Mismatches 0;

QY 1 MASLQQLFWSIISIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60

DB 1 MASLQQLFWSIISIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60

QY 61 DIKLSDIVIOWLKEGVILGVHFEKGDSEQDEMFRGTAVPADQVIVGNASRLKNV 120

Db 1 MASLQQLFWSIISIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60

QY 61 DIKLSDIVIOWLKEGVILGVHFEKGDSEQDEMFRGTAVPADQVIVGNASRLKNV 120

Db 121 QLTDAQTYKCYIITSKKGKGNANLEYKTGAFSMPVNVYDYNASSETLRCEAPRFPPTVV 180

QY 121 QLTDAQTYKCYIITSKKGKGNANLEYKTGAFSMPVNVYDYNASSETLRCEAPRFPPTVV 180

Db 121 QLTDAQTYKCYIITSKKGKGNANLEYKTGAFSMPVNVYDYNASSETLRCEAPRFPPTVV 180

QY 181 WASQVDQGANFSEVSNSTFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

Db 181 WASQVDQGANFSEVSNSTFELNSENVTKVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

QY 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMK 282

Db 241 TESEIKRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMK 282

RESULT 12

ABP30901

ID ABP30901 standard; protein; 282 AA.

XX AC ABP30901;

XX DT 02-JUL-2002 (first entry)

XX DE OSE protein #2.

XX KW Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.

XX OS Homo sapiens.

XX FN WO200206317-A2.

XX PD 24-JAN-2002.

XX PF 17-JUL-2001; 2001WO-US022635.

XX PR 17-JUL-2000; 2000US-00617747.

PR 10-AUG-2000; 2000US-00636801.

PR 20-SEP-2000; 2000US-00667857.

PR 04-APR-2001; 2001US-00827271.

PR 18-JUN-2001; 2001US-00884441.

XX (CORI-) CORIXA CORP.

XX Mitcham JL, King GE, Algate PA, Fling SP, Retter MW, Fanger GR;

PI Reed SG, Vedwick TS, Carter D, Hill P, Albone E;

XX WPI; 2002-164781/21.

DR N-PSDB; ABN72971.

XX Polypeptides comprising an immunogenic portion of an ovarian carcinoma

PT protein or its variants, useful for stimulating an immune response in a

PT patient and treating ovarian cancer.

XX Claim 34; Page 321-322; 408pp; English.

XX This invention relates to polypeptides comprising an immunogenic portion

CC of an ovarian carcinoma protein which acts as an immunostimulant and is

CC cytostatic. The polypeptides, polynucleotides, antibodies, fusion

CC proteins, T cell populations and antigen presenting cells that express

CC the polypeptides are useful for stimulating an immune response in a

CC patient and treating ovarian cancer. This sequence represents protein

CC related to the invention

XX Sequence 282 AA;

SQ Query Match 100.0%; Score 1431; DB 5; Length 282;

Best Local Similarity 100.0%; Pred. No. 3.9e-118; Indels 0; Gaps 0;

Matches 282; Conservative 0; Mismatches 0;

QY 1 MASLQQLFWSIISIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60

DB 1 MASLQQLFWSIISIIIIAGAIALLIGFGISGRHSITVTIVASAGNIGEDGILSCFEP 60

QY 61 DIKLSDIVIOWLKEGVILGVHFEKGDSEQDEMFRGTAVPADQVIVGNASRLKNV 120

QY 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDMFRGRTAVFADQVIVGNASLRLKNV 120
DB 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDMFRGRTAVFADQVIVGNASLRLKNV 120
QY 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVDQGANFSEVNTSFELNSENVTKVSVLVNNTYSCMIENDIAKATGDIKV 240
DB 181 WASQVDQGANFSEVNTSFELNSENVTKVSVLVNNTYSCMIENDIAKATGDIKV 240
QY 241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 13
ABB76274
ID ABB76274 standard; protein; 282 AA.
XX
AC ABB76274;
DT 12-AUG-2002 (first entry)
XX
DE Breast BS265 polypeptide.
XX
KW BS265; human; breast; cancer; tumour; metastasis; diagnosis;
KW gene therapy.
XX
OS Homo sapiens.
XX
XX US2002034749-A1.
XX
XX 21-MAR-2002.
XX
XX 07-MAY-2001; 2001US-00850178.
XX
XX 18-NOV-1997; 97US-00972376.
XX
XX 18-NOV-1998; 98US-00193944.
XX
XX (BILL// BILLINGEL P A.
XX (COHE// COHEN M.
XX (COLP// COLPITTS T L.
XX (FRIE// FRIEDMAN P N.
XX (GORD// GORDON J. E N.
XX (HODG// HODGES S C.
XX (KLAS// KLAS M R.
XX (KRAT// KRATOCHVIL J D.
XX (ROBE// ROBERTS-RAPP L A.
XX (RUSL// RUSSELL J C.
XX (STRO// STROUPE S D.
XX
XX Billingsel PA, Cohen M, Colpitts TL, Friedman PN, Gordon J;
XX Granados EN, Hodges SC, Klass MR, Kratochvil JD, Roberts-Rapp LA;
XX Russell JC, Stroupe SD;
XX
XX WPI: 2002-403712/43.
XX N-PSDB; ABL57354.
XX
XX New BS265 proteins and nucleic acids, useful for detecting, diagnosing,
XX staging, monitoring, prognosticating, in vivo imaging, preventing,
XX treating, or determining the predisposition of an individual to breast
XX cancer.
XX
XX
XX Claim 54; Page 45-46; 52pp; English.
XX
XX The present sequence is the protein sequence of human breast BS265
XX protein, as predicted from a BS265 expressed sequence tag clone (see
XX ABL57354). The invention provides a set of contiguous and partially
XX overlapping cDNA sequences (see ABL57345-63), designated as BS265 and

transcribed from breast tissue, and the polypeptides encoded by them.
These are useful for detecting, diagnosing, staging, monitoring,
prognosticating, in vivo imaging, preventing, treating, or determining
the predisposition of an individual to diseases and conditions of the
breast, such as breast cancer. Also provided are antibodies which
specifically bind to BS265 proteins, and agonists or inhibitors which
prevent action of the proteins, and which are useful for treatment of
breast disease, especially tumours and metastases

XX
SQ Sequence 282 AA;
Query Match 100.0%; Score 1431; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. No. 3.9e-118;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASLGQILFWSIISIIIIILAGATALLIGFQISGRHSITVTIVASAGNIGEDGILSCTFEP 60
DB 1 MASLGQILFWSIISIIIIILAGATALLIGFQISGRHSITVTIVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDMFRGRTAVFADQVIVGNASLRLKNV 120
DB 61 DIKLSDIVIOWLKEGVLGLVHEFKGKDELSEQDMFRGRTAVFADQVIVGNASLRLKNV 120
QY 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180
DB 121 QLTDAAGTYKCYIITSGKGNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRFPQPTVV 180
QY 181 WASQVDQGANFSEVNTSFELNSENVTKVSVLVNNTYSCMIENDIAKATGDIKV 240
DB 181 WASQVDQGANFSEVNTSFELNSENVTKVSVLVNNTYSCMIENDIAKATGDIKV 240
QY 241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282
DB 241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYMLK 282

RESULT 14
AAE18336
ID AAE18336 standard; protein; 282 AA.
XX
AC AAE18336;
DT 07-MAY-2002 (first entry)
XX
DE Human B7-like protein (B7-L).
XX
KW Human; B7-like protein; B7-L; reproductive disorder; autoimmune disease;
KW proliferative disorder; infertility; hyperplasia; cancer; lung; breast;
KW brain; seminal vesicle; haematopoietic system; tumour; diabetes mellitus;
KW rheumatoid arthritis; systemic lupus erythematosus; toxic shock syndrome;
KW inflammatory bowel disease; psoriasis; allergy; Crohn's disease; vaccine;
KW Grave's disease; arteriosclerosis; multiple sclerosis; hypersensitivity;
KW nephropathy; skin disorder; endocrinopathy; vasculopathy; gynaecological;
KW myasthenia gravis; anaemia; lymphoproliferative disorder; neuroprotective;
KW cytoskeletal; multiple myeloma; tissue-degenerating disease; nephrotropic;
KW immunosuppressive; asthma; virucide; gene therapy.
XX
XX Homo sapiens.
XX
XX Key Location/Qualifiers
XX Peptide 1..24 /label= Signal_peptide
XX Protein 25..282 /label= Human_mature_B7-L_protein
XX
XX WO200202624-A2.
XX
XX 10-JAN-2002.
XX
XX 29-JUN-2001; 2001WO-US021297.
XX
XX 30-JUN-2000; 2000US-0215645P.
XX

PA (AMGE-) AMGEN INC.
XX
XX PI Fox M, Sullivan JK, Fang M;
XX
XX WPI; 2002-171639/22.
DR N-PSDB; AAD29253.
XX
XX Novel B7-like polypeptides, polynucleotides and their modulators useful
PT for prevention and treatment of reproductive, immune and proliferative
PT disorders, e.g. cancer, arteriosclerosis.
XX
XX Claim 13; Fig 1A-1B; 133pp; English.
XX
XX The present invention relates to an isolated B7-like (B7-L) polypeptide
CC and its polynucleotide. B7-1 and its modulators are useful for treating
CC reproductive disorders (e.g. infertility, miscarriage, preterm labour and
CC delivery and endometriosis) and proliferative disorders. Antibodies, or
CC soluble proteins comprising extracellular domains and other regulators of
CC B7-L are useful for enhancing the immune response to tumours. B7-1 plays
CC a role in growth and maintenance of cancer cells based on the observation
CC of seminal vesicle hyperplasia in transgenic mice overexpressing B7-1.
CC Modulators of B7-1 are useful for the treatment of cancer e.g. seminal
CC vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of
CC haematopoietic system. B7-1 and their modulators are useful to treat
CC autoimmune diseases such as systemic lupus erythematosus, rheumatoid
CC arthritis, immune thrombocytopenic purpura and psoriasis, chronic
CC inflammatory disease such as inflammatory bowel disease (Crohn's disease
CC and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and
CC diabetes mellitus. They are also useful as immunosuppressive agents for
CC bone marrow and organ transplantation or to prolong graft survival.
CC Modulators of B7-L are also useful for diagnosis and treatment of
CC diseases involving abnormal cell proliferation, arteriosclerosis and
CC vascular restenosis. Soluble B7-L serves as vaccine adjuvants.
CC Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
CC allosteric sensitisation due to blood transfusions, and for treatment of
CC multiple sclerosis, allergy, asthma and hypersensitivity reactions,
CC nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and
CC pemphigoid), endocrinopathies, various neuropathies, vasculopathies,
CC coeliac disease, anaemia, thrombocytopaenia, Guillain-Barre syndrome and
CC myasthenia gravis, and lymphoproliferative disorders such as multiple
CC myeloma. B7-L gene is useful in gene therapy and to map the locations of
CC B7-L gene and related genes on chromosomes, as hybridisation probes in
CC diagnostic assays, for isolating corresponding chromosomal B7-L genes,
CC and to identify heritable tissue-degenerating diseases. The present
XX sequence is human B7-L protein
XX
SQ Sequence 282 AA;
Query Match 100.0%; Score 1431; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. No. 3.9e-118;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVVASAGNIGEDGILSCTFEP 60
DB 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVVASAGNIGEDGILSCTFEP 60
QY 61 DIKLSDIVIOMLKEGVGLVHFEKGEKDELSEQDEMFGRGTAVFADQVIVGNASRLKNV 120
DB 61 DIKLSDIVIOMLKEGVGLVHFEKGEKDELSEQDEMFGRGTAVFADQVIVGNASRLKNV 120
QY 121 QLTADAGTYKCVIITSKGNANLEYKTGAFSPMEVNDYNASSETLRCEAPRWFPPQTVV 180
DB 121 QLTADAGTYKCVIITSKGNANLEYKTGAFSPMEVNDYNASSETLRCEAPRWFPPQTVV 180
QY 181 WASQVDQGANFSEVNTSFEINSENVTMKVSVLYNVTNNYTCMIENDIAKATGDIKV 240
DB 181 WASQVDQGANFSEVNTSFEINSENVTMKVSVLYNVTNNYTCMIENDIAKATGDIKV 240
QY 241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282
DB 241 TESEIKRSHLQLLNSKASLCVSSPFAISWALLPLSPYMLK 282

RESULT 15
ABB09879
ID ABB09879 standard; protein; 282 AA.
XX
XX AC ABB09879;
XX
XX 30-JUL-2002 (first entry)
XX
XX Amino acid sequence of the OREO gene (gene B).
XX Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
XX
XX Homo sapiens.
XX
XX Key Location/Qualifiers
XX Domain 12..31
XX /note= "predicted transmembrane domain"
XX Domain 46..145
XX /note= "predicted Ig domain"
XX Modified-site 112
XX /note= "N-glycosylation site"
XX Modified-site 160
XX /note= "N-glycosylation site"
XX Modified-site 190
XX /note= "N-glycosylation site"
XX Modified-site 196
XX /note= "N-glycosylation site"
XX Modified-site 205
XX /note= "N-glycosylation site"
XX Modified-site 216
XX /note= "N-glycosylation site"
XX Modified-site 220
XX /note= "N-glycosylation site"
XX WO200194641-A2.
XX
XX 13-DEC-2001.
XX
XX 11-JUN-2001; 2001WO-US018700.
XX
XX 09-JUN-2000; 2000US-0210451P.
XX (IDEC-) IDEC PHARM CORP.
XX
XX Ople E, McLachlan K, Heard C;
XX
XX WPI; 2002-404365/43.
XX N-PSDB; ABL56582.
XX
XX New polynucleotide and corresponding antigens from human ovarian cancer
XX cells, useful for treatment and diagnosis of ovarian cancer.
XX
XX Claim 12; Fig 7b; 71pp; English.
XX
XX The present sequence represents a protein designated OREO. The OREO (Ople
XX RDA of Epithelial Tissue vs. Ovary tumour) gene is a novel gene, also
XX designated gene B. This gene was identified by representational
XX difference analysis (RDA) screening, and is selectively expressed by
XX certain human ovarian tumours. The specification also describes gene A,
XX identified by the same method. Gene A and B polynucleotides are useful
XX for detecting ovarian cancer. Their polypeptides are useful for treating
XX ovarian cancer
XX
XX Sequence 282 AA;
Query Match 100.0%; Score 1431; DB 5; Length 282;
Best Local Similarity 100.0%; Pred. No. 3.9e-118;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVVASAGNIGEDGILSCTFEP 60
DB 1 MASLGQILFWSIISIIIIILAGAILIIGFGISGRHSITVTVVASAGNIGEDGILSCTFEP 60

QY	61	DIKLSDIVIOWLKEGVLGVHFEFKGKDELSEQDENFRGRTAVFADQVIVGNASLRLKNV	120
Db	61	DIKLSDIVIOWLKEGVLGVHFEFKGKDELSEQDENFRGRTAVFADQVIVGNASLRLKNV	120
QY	121	QLTDAGTYKCYIITSKGKNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRWPQPTVV	180
Db	121	QLTDAGTYKCYIITSKGKNANLEYKTGAFSPMEVNVNDYNASSETLRCEAPRWPQPTVV	180
QY	181	WASQVDOGANFSEVNTSPFELNSENVTMKVSVLYNVTTINNTYSCMIENDIAKATGDIKV	240
Db	181	WASQVDOGANFSEVNTSPFELNSENVTMKVSVLYNVTTINNTYSCMIENDIAKATGDIKV	240
QY	241	TESEIKRRSHLOLNSKASLCVSSPFAISWALLPLSPYIMLK	282
Db	241	TESEIKRRSHLOLNSKASLCVSSPFAISWALLPLSPYIMLK	282

Search completed: May 28, 2004, 14:34:07
Job time : 62 secs